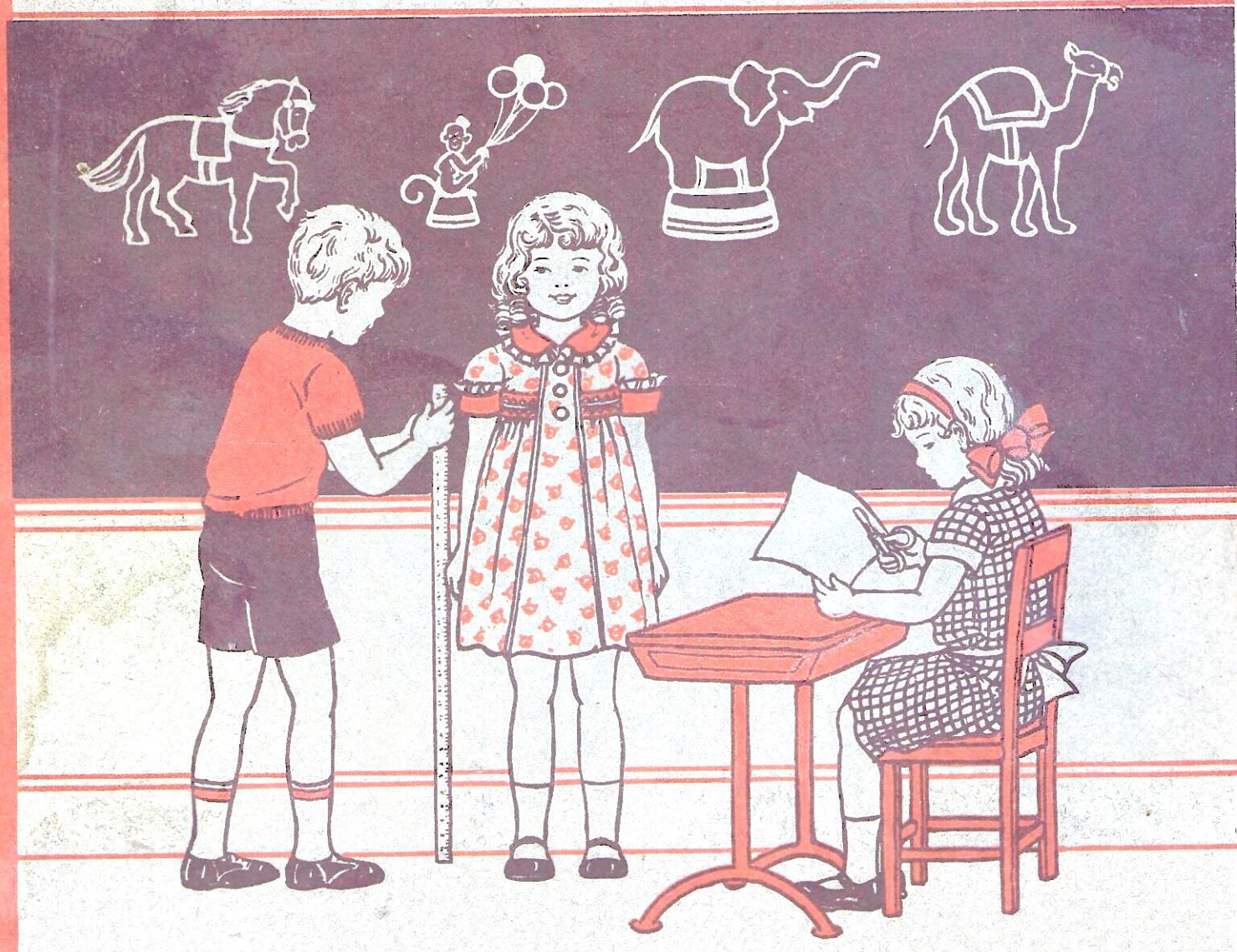
SELF-HELP NUMBER SERIES

NUMBERS AT WORK

REVISED



CLARK AND CUSHMAN
THE MACMILLAN COMPANY

				★					★
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

SELF-HELP NUMBER SERIES

NUMBERS AT WORK

BY
MAE KNIGHT CLARK AND LAURA CUSHMAN

ILLUSTRATED BY
MARION AND DORIS HENDERSON

NEW YORK THE MACMILLAN COMPANY 1949

TO THE TEACHER

This book is divided into eight work units. The first is a diagnostic and review section. Each of the seven other units centers around some child interest—a play store, a walk with Father, a birthday party, a playhouse, a visit to a farm, the circus, and the school. You are urged to provide an opportunity for the children to carry out related activities while they are engaged in each unit of their workbook-text. Such a plan will result in a well-rounded number program. The activities will make real the number situations described in the workbook-text, while the book will assure each child's contact with every needed number fact.

A dictionary of all combinations may be found on pages 125–128 of this book, and you are urged to see that pupils understand its use and rely upon it when they do not know the answer to a combination; thus the habit of counting may be avoided.

This material is based upon the principle of complete mastery. The pupil should absolutely master each learning step before proceeding to the next one, and in every instance provision is made for diagnostic testing and for additional supplementary drill. The prerequisites for this book are found on pages 3–6. They include the combinations which have been taught in the second book of this series. The teacher should first administer Test 1, seeing that time for counting is not allowed. She should then give an oral test, using cards containing the number combinations of Test 1. These may be obtained from the teacher's desk copy of the second book of this series, *In Number Land*, or they may be made by hand. These cards should be flashed quickly. If the pupil's responses are not quick and accurate, work on that pack should be continued until they become so. The combinations in the six tests should be mastered and reviewed as a whole before the pupil attacks the new material that follows.

The pack cards are to be torn out, separated, and kept together by a rubber band. The pupil will use them for individual self-drill. Pupils also enjoy working in pairs, each flashing the cards for the other in turn. Many group games may be played with the cards. Some are suggested in the Teacher's Edition of this book and of the second book of this series; others may be devised by teacher or children. Give the pupil the following directions for individual work:

"Take your pack of cards. Look first at the side of the card that has no answer; think the answer. Then turn the card over and see if your answer was right. If you thought of the right answer, put the card in one pile; if your answer was wrong, put the card in another pile.

"When you have finished, all the combinations that you know will be in one pile; those that you do not know will be in the other pile. Take the pile of cards that you do not know and go through them again to see if you can put some of them in the pile that you know. Keep on doing this until you can put all the cards in the pile that you know."

Pupils should also use the pack cards for assignments in writing the combinations, copying them from the side of the card that has no answer. Each child should immediately turn the cards and correct his own mistakes, thus avoiding the practice of error.

A progress chart is provided on the inside of the back cover so that each child may record and watch his own progress. While individual progression is strongly urged by the authors, teachers who use group advancement will find it equally adaptable to their use. The material on pages 113–124 may be introduced at any point where work in these processes is desired, provided that the combinations used are within the pupils' experience. See the Teacher's Edition of this book for further suggestions.

ACKNOWLEDGMENTS

The author's express their sincere appreciation to the teachers who have contributed to this revision of *Numbers at Work*, who cannot be named for lack of space. We would also make grateful mention of the active assistance with the original manuscript which was given to the late Flournoy Bryant Clark, Buna Edwards, Mildred Clark Scott, Carl Strang, and many others.

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Dear Boys and Girls:

This book is about two children. They are Linda and Larry. They have good times at work and at play. You will like to read about them.

But you must know some things before you can work with this book. These things are on pages 3 to 6. Your teacher will see if you know them. If you do not, she will tell you what to do. See how soon you can know these things and read about Linda and Larry.

Test 1

1 +1	5 −4	1 +2	4 −1	2 −1
3 +1	3 −2	2 +1	1 +3	4 +1
3 −1	4 −3	2 +2	1 +4	5 −1

Test 2

5 +1	4 +2	3 +2	4 −2	5 −2
3 +3	6 −1	6 −4	1 +5	6 −5
2 +4	6 −2	5 −3	6 −3	2 +3

Test 3

10 −5	9 −8	4 +4	9 −1	8 −4
8 +1	1 +6	1 +8	6 +1	5 +5
7 −1	8 −7	7 −6	8 −1	1 +7

Write from 1 to 100.

To THE TEACHER: Each pupil will need a sheet of paper for use in writing 1-100 as directed above.

Test 4

4 +5	9 +1	10 −1	5 +4	7 −5
7 −2	9 −4	1 +9	2 +5	3 +6
5 +2	10 −9	6 +3	9 −5	7 +1

Test 5

6 +2	9 −3	10 −2	8 +2	8 −2
7 −3	10 −8	3 +4	9 −6	8 −6
2 +6	7 −4	2 +8	4 +3	10 −4

Test 6

3 +7	6 +4	7 +2	3 +5	8 −3
9 −2	10 −6	5 +3	4 +6	7 +3
10 −3	2 +7	8 −5	10 −7	9 −7

Write to 100 by 10's.

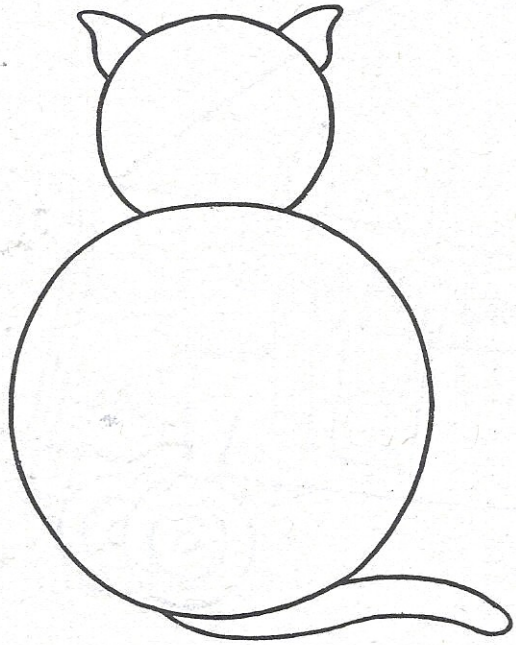
____ ____ ____ ____ ____ ____ ____ ____ ____ ____

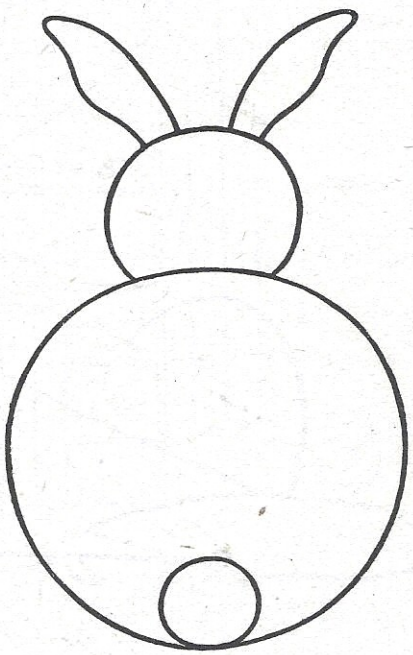
Write to 100 by 5's.

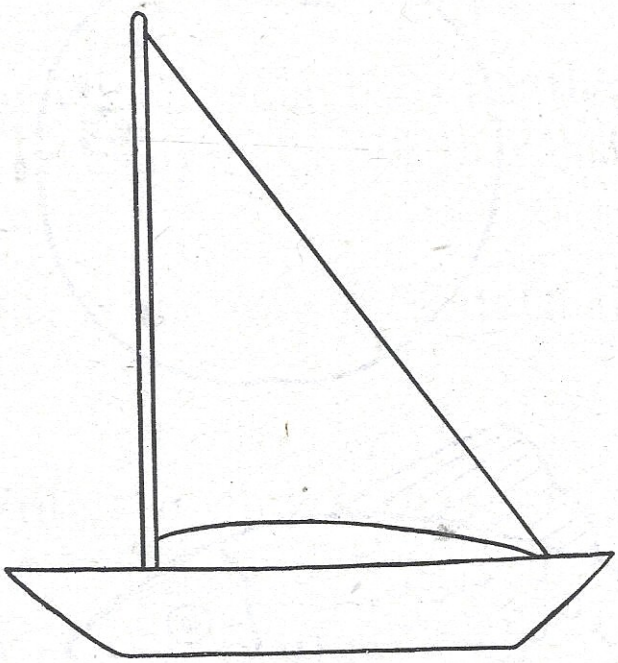
____ ____ ____ ____ ____ ____ ____ ____ ____ ____

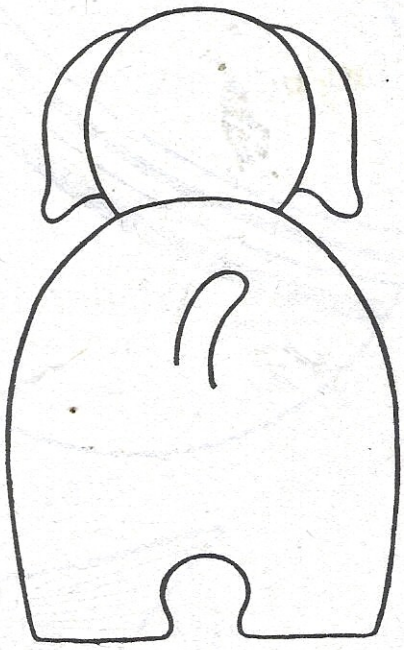
____ ____ ____ ____ ____ ____ ____ ____ ____ ____

Would you like to make a play store? Here are some pictures for it.

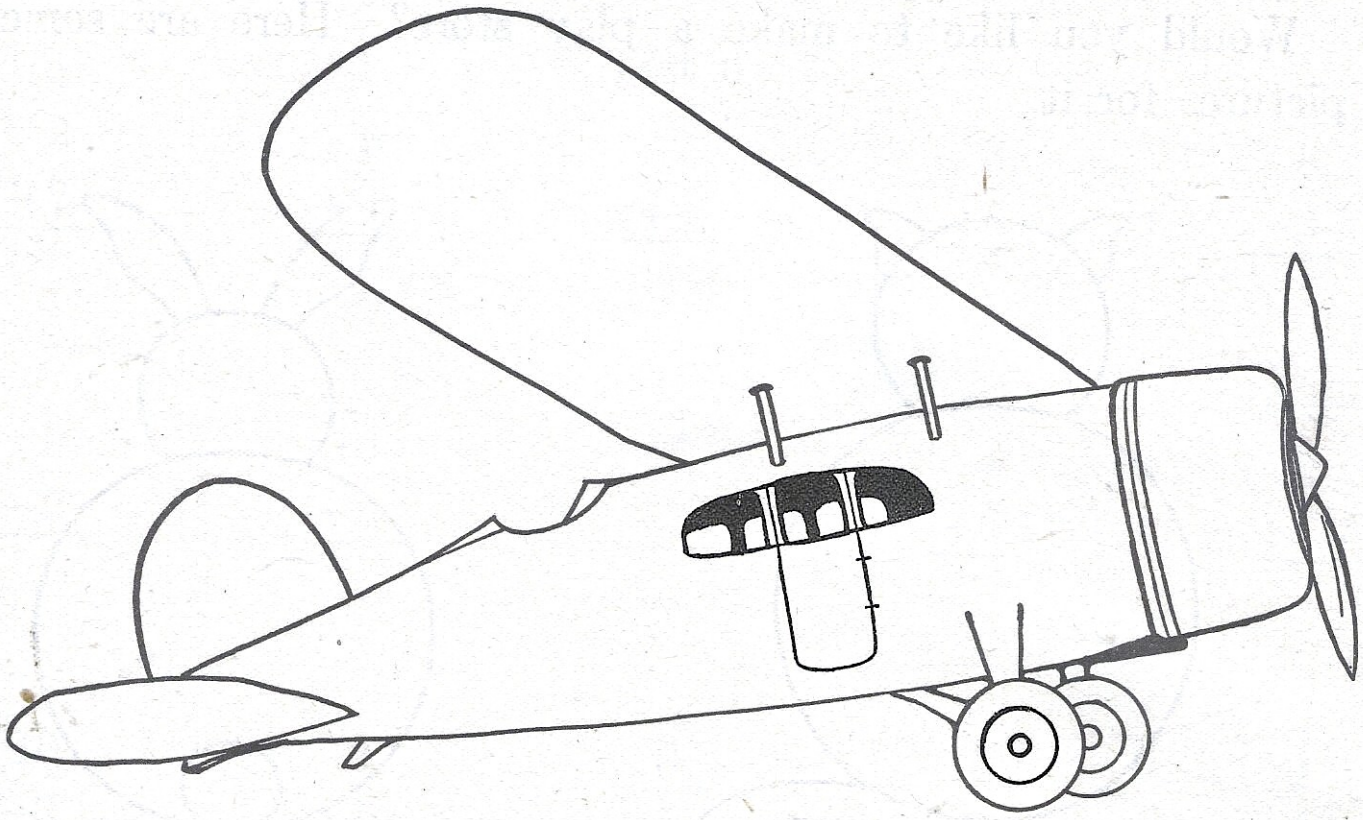


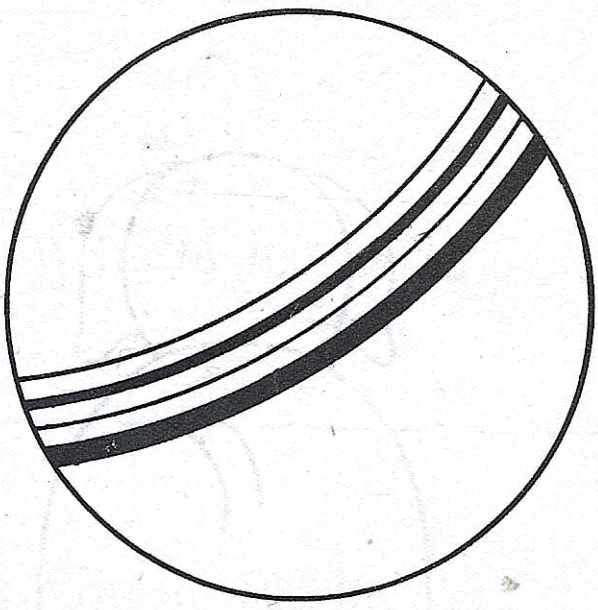


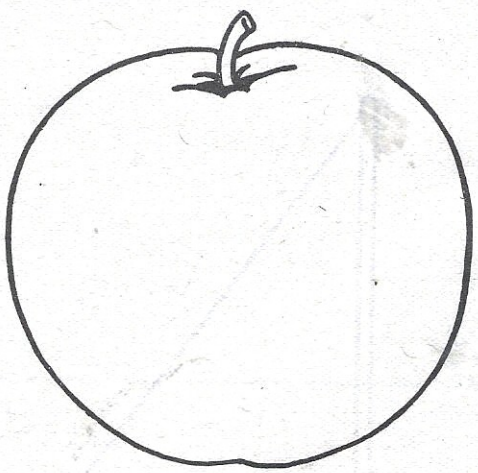


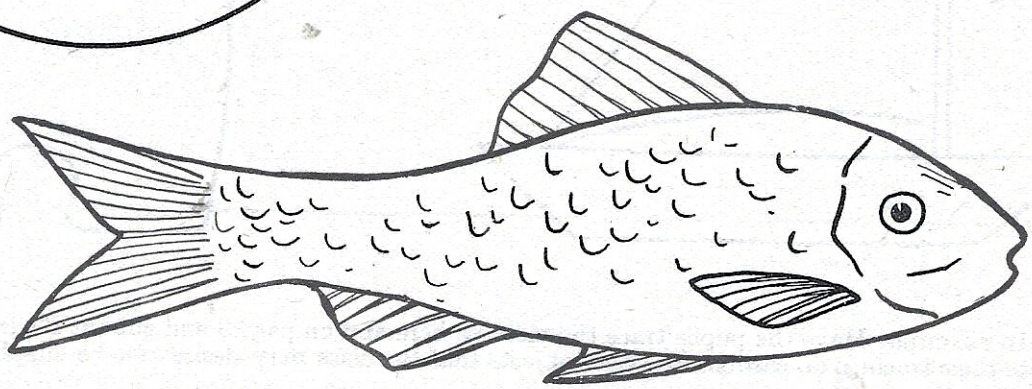


To THE TEACHER: Have the pupils trace the pictures here and on page 8 and cut out the tracings. They may then paste their tracings on cardboard. Other objects that the class may desire can be supplied by teacher or pupils.

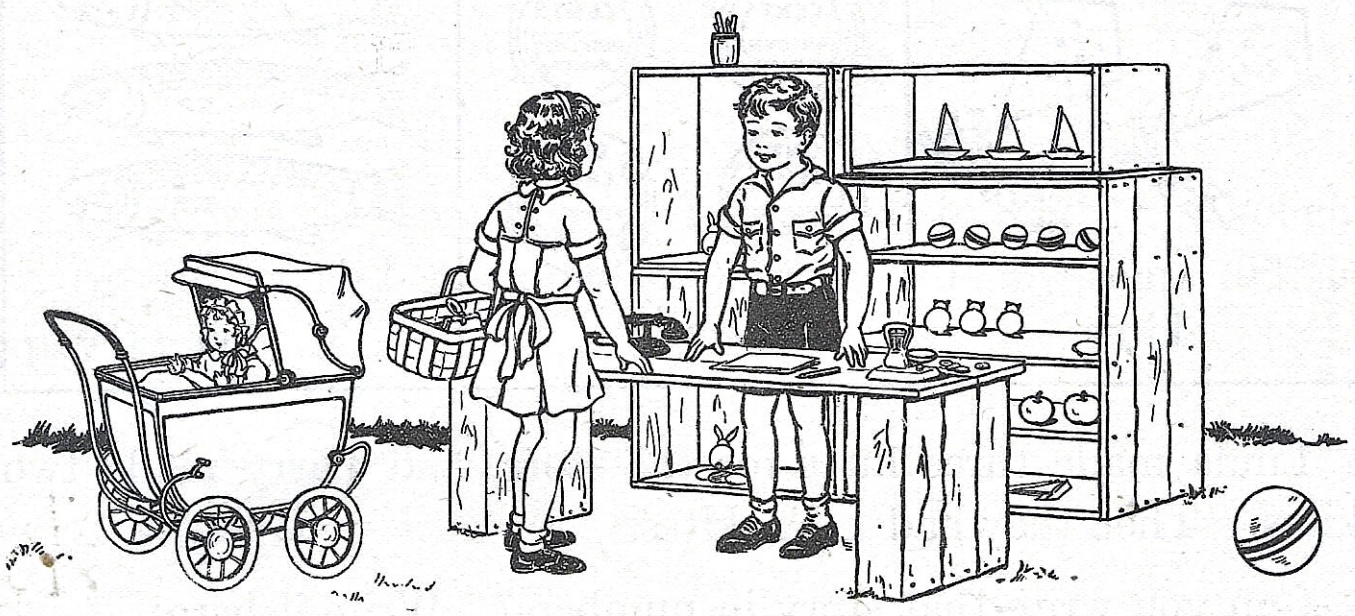








The Play Store



Linda and Larry made a play store. They made it with boxes.

You can make a play store, too. Make a store and play with it.

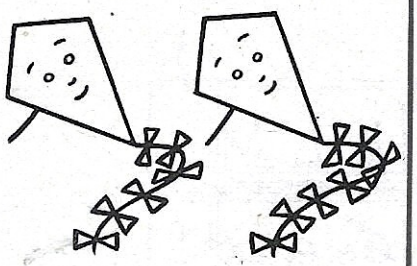
Larry made four balls for the store. Linda made one ball. How many balls did they have? ____

This is the way to write that story in numbers:

$$\begin{array}{r} 4 \\ +1 \\ \hline 5 \end{array}$$

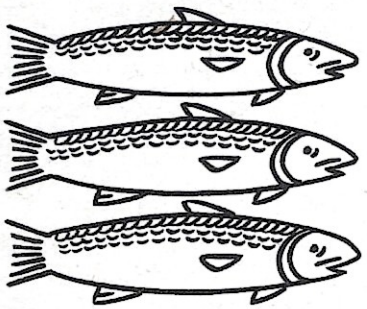
Write the story in numbers. Write it here:

9	1	10	10	8	2	10	10
+1	+9	−1	−9	+2	+8	−8	−2



kites

cents



fish

Linda made three kites for the store, and Larry made two kites. Then they had ____ kites.

Can you write that story in numbers? Write it here:

Linda put her 4 cats in the store. One cat ran away. Three cats were left in the store.

This is the way to write that story in numbers:

$$\begin{array}{r} 4 \\ -1 \\ \hline 3 \end{array}$$

Write it here:

Mother gave Linda and Larry 5 apples for the store. They ate 2 of the apples. They had 3 apples left.

Write that story in numbers. Write it here:

9	2	11	11
+2	+9	−9	−2
11	11	2	9

Larry was the storekeeper. Linda went to buy. She bought a cat for 9¢ and an apple for 2¢. How many cents did she pay Larry? ____

Write this story in numbers:

There were 11 fish in the store. Linda bought 2 of them. How many fish were left in the store? ____

Write this story in numbers:

11	2	9	11	11	9	2	11
−2	+9	+2	−9	−2	+2	+9	−9

2	9	9	10	10	10	11	11
+9	+2	−8	−4	−7	−8	−2	−9

$$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array} \qquad \begin{array}{r} 12 \\ -6 \\ \hline 6 \end{array}$$

Linda was the storekeeper, and Larry went to buy. He bought a kite for 6 cents and a rabbit for six cents. How many cents did he pay Linda? ____

Write this story in numbers:

Larry had 12¢ left. He bought a boat for 6¢. How much money did he have then? ____

Write this story in numbers:

$$\begin{array}{rrrrrrrr} 2 & 6 & 11 & 11 & 12 & 2 & 6 & 9 \\ +9 & -3 & -2 & -9 & -6 & +9 & +6 & +2 \\ \hline \end{array}$$

$$\begin{array}{rrrrrrrr} 11 & 11 & 5 & 2 & 3 & 4 & 4 & 5 \\ -2 & -9 & +2 & +9 & +1 & +4 & -2 & +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array} \qquad \begin{array}{r} 16 \\ -8 \\ \hline 8 \end{array}$$

Linda said: "Larry, we do not have many things in our store. We will make some more." So they made some more things.

Larry made 8 apples and Linda made 8 apples. How many apples did they make? ____

They made 16 apples. They colored 8 apples red. They made the other apples yellow.

Draw the yellow apples.

$$\begin{array}{rrrrrrrr} 11 & 16 & 6 & 16 & 8 & 16 & 8 & 12 \\ -2 & -8 & +6 & -8 & +8 & -8 & +8 & -6 \\ \hline \end{array}$$

$$\begin{array}{rrrrrrrr} 7 & 16 & 2 & 8 & 9 & 9 & 9 & 7 \\ +3 & -8 & +3 & +8 & +1 & +2 & -3 & -1 \\ \hline \end{array}$$

3	9	12	12
+9	+3	−3	−9
12	12	9	3

Larry said, "We must have 12 balloons in the play store."

"We have 3 balloons now," said Linda. "How many more must we make?"

"12 less 3 leaves ____," said Larry. "That is how many we must make."

How many more balloons did they make? ____ Write this story in numbers.

Linda and Larry had 3 balloons. They made 9 more. How many balloons did they have then? ____

9	3	12	12	3	12	9	12
+3	+9	−3	−9	+9	−9	+3	−3

1	3	2	6	3	8	9	9
+9	+9	+9	+6	+2	+8	+3	−3

4	8	12	12
+8	+4	−8	−4
12	12	4	8

A little boy came to play with Linda and Larry. Larry said, "You may be the storekeeper. We will come to buy." Linda bought 4 cookies, and Larry bought 8 cookies. How many cookies did they both buy? ____

Write this story in numbers:

There were 12 balloons in the store. Larry bought 4 balloons. How many balloons were left in the store? ____

3	4	8	11	12	12	3	4
+9	+8	+4	−2	−4	−8	+9	+8

8	9	12	12	12	12	16	3
+4	+3	−3	−4	−8	−9	−8	+9

4	8	9	12	12	12	12	16
+8	+4	+3	−3	−4	−8	−9	−8

Linda bought a cat for 9¢ and a cup for 3¢. How much did she give for them? ____

Linda bought a fish for 2¢ and a doll for 9¢. How much did she give for them? ____

Larry bought a balloon for 4¢ and an airplane for 8¢. How much did he give for them? ____

Linda had 11 cents left. She paid 9¢ for an airplane. How much did she have then? ____

Larry had 12 cents left. He paid 8¢ for a dog. How much did he have then? ____

Larry said to the little boy, "I will be the storekeeper and you may come and buy."

The little boy had 12¢. He bought an airplane for 9¢. How many cents did he have left? ____

Write one of these stories in numbers:

3	9	6	8	4	8	6	8
+3	−3	+6	+4	+8	+8	+6	+4

8	9	9	12	4	12	12	9
+8	+3	−3	−4	+8	−8	−3	−3

Write the numbers that are left out.

1		3		5		7		9	
11		13		15		17		19	
21		23		25		27		29	
31		33		35		37		39	
41		43		45		47		49	
51		53		55		57		59	
61		63		65		67		69	
71		73		75		77		79	
81		83		85		87		89	
91		93		95		97		99	

Write to 100 by 2's.

2	4	6	8	10	12				

Write to 100 by 2's in rows like this:

2 ___ ___ ___ ___ ___ ___ ___ ___ ___

4 ___ ___ ___ ___ ___ ___ ___ ___ ___

6 ___ ___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___ ___ ___ ___

A Walk with Father

One day Larry and Linda went for a walk with Father. They saw some trees. The trees looked like Christmas trees.

Father said, "How many trees do you see, Larry?"

"I see eight big trees and three little trees," said Larry.

"I know how many there are in all," said Linda. "8 trees and 3 trees are ____ trees."

"That is good," said Father. "If 8 and 3 are 11, how many are 3 and 8?"

Can you tell? Write the number here: ____

Write this story in numbers:

8	3	11	11	11	3
+3	+8	−3	−8	−3	+8
11	11	8	3		

11	11	8	11	11	3
−3	−8	+3	−3	−8	+8

"Yes, there are 11 trees," said Father. "If some one cut down the 3 little trees for Christmas, how many would be left, Larry?"

"Oh, I know that," said Linda.

Linda did know. Do you? Write the number here: ____

11	11	11	8	3	11	3	8
−3	−8	−3	+3	+8	−8	+8	+3
8	3						

3	2	3	4	6	8	8	8
+9	+9	+8	+8	+6	+3	+8	+4

11	11	11	11	12	10	16	12
−3	−8	−2	−9	−4	−7	−8	−8

$$\begin{array}{r} 7 \\ +7 \\ \hline 14 \end{array} \qquad \begin{array}{r} 14 \\ -7 \\ \hline 7 \end{array}$$

"Oh, look, Larry," cried Linda. "See the birds in the trees. There are seven birds in one tree and seven in another tree."

"Yes," said Larry, "that makes ____ birds in both trees."

"See them fly away," cried Linda.

"Only 7 flew away," said Larry.

"There are 7 left."

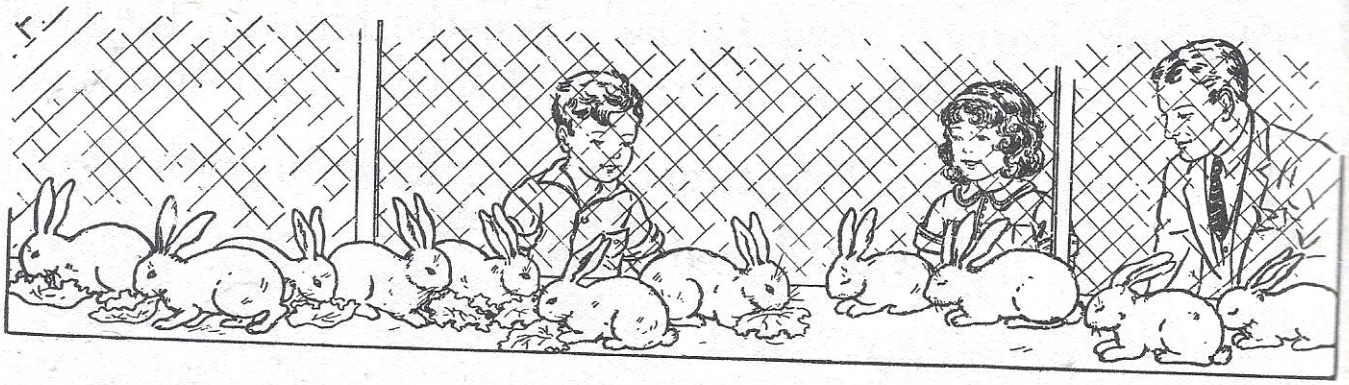
14 birds less 7 birds leaves ____ birds.

7	14	8	7	9	11	14	7
+7	−7	+3	+7	+3	−3	−7	+7

11	12	12	12	12	7	14	16
−8	−3	−6	−4	−8	+7	−7	−8

11	12	12	11	12	12	12	2
−2	−4	−3	−2	−6	−9	−8	+3

$$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array} \qquad \begin{array}{r} 7 \\ +4 \\ \hline 11 \end{array} \qquad \begin{array}{r} 11 \\ -7 \\ \hline 4 \end{array} \qquad \begin{array}{r} 11 \\ -4 \\ \hline 7 \end{array}$$



Father, Linda, and Larry saw some rabbits. 4 rabbits were asleep. 7 rabbits were eating lettuce. 4 rabbits and 7 rabbits are how many rabbits? ____

4 and 7 are ____. 7 and 4 are ____.

Write this story in numbers:

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

There were 11 rabbits in the pen. Linda and Larry gave them some apples. 4 rabbits did not eat the apples. How many rabbits did eat the apples? ____

Write this story in numbers:

4	7	11	11	16	11	11	8
+7	+4	−4	−7	−8	−4	−7	+8

8	7	5	4	3	1	2	2
+3	+7	+5	+7	+8	+3	+4	+9

3	4	8	7	8	9	11	11
+8	+7	+3	+4	+8	+3	−2	−4

11	11	12	12	12	12	16	7
−7	−9	−3	−8	−3	−9	−8	+7

5	6	11	11
+6	+5	−5	−6
11	11	6	5

Larry, Linda, and Father went to see a man who liked birds. They saw all of his bird houses. Some of the houses were yellow, and some of them were white. Five of the houses were yellow, and 6 of them were white. How many bird houses were there? ____

There were 11 bird houses. They were in the garden. A man took five of the houses out of the garden and put them in the apple trees. Then there were only ____ houses left in the garden.

Write this story in numbers:

6	5	11	11	5	11	6	11
+5	+6	−5	−6	+6	−5	+5	−6

2	3	3	3	3	4	4	4
+9	+2	+4	+7	+9	+2	+6	+8

"Look at the birds in the trees," said Linda. "There are 11." When Larry looked, 6 of the birds had gone away. He could see only ____ birds.

Write this story in numbers:

11	11	5	11	6	5	11	11
−6	−5	+6	−6	+5	+6	−6	−5
4	5	7	6	8	11	11	11
+7	−4	+4	+5	+3	−3	−4	−9
11	6	7	9	11	12	12	10
−4	+5	+7	−3	−8	−6	−9	−8
4	10	8	11	12	9	11	7
+7	−7	+8	−7	−3	−7	−8	+4
8	12	11	11	9	8	16	8
+3	−8	−7	−9	−8	−7	−8	+8

Larry and Linda saw some pumpkins growing. Father le them see how many they could find. They found 6 big one and 5 little ones. How many pumpkins did they find? ___

Write this story in numbers:

14	11	11	12	8	11	11	12
−7	−8	−7	−6	+3	−8	−4	−8
4	5	5	5	6	6	6	7
−1	+1	+4	−2	+1	+6	−2	+1
11	12	12	12	12	16	12	11
−9	−4	−3	−6	−8	−8	−9	−2

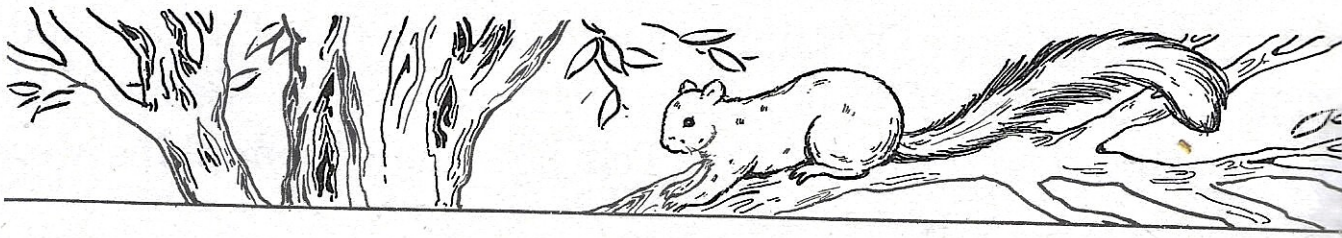
The farmer gave 8 pumpkins to his cows. Father said: "The farmer had 11 pumpkins. He gave 8 of them to his cows. How many are left?" Tell how many pumpkins were left. ____

12	14	8	12	8	4	9	11
−4	−7	+3	−8	+4	+7	+3	−3

6	1	12	8	11	3	11	11
+5	+4	−9	+8	−4	+9	−8	−9

7	8	11	3	9	11	5	1
+4	+4	−5	+8	+2	−7	+6	+3

4	10	7	11	12	8	6	7
+7	−8	+7	−6	−4	+3	+5	+4



Linda and Larry saw a squirrel in a tree.

"Here are 11 nuts," said Father. "Put them under the tree. Then we will see what the squirrel will do."

They put the nuts under the tree. Soon the squirrel came down and took a nut. He took it to his home in the tree. He came for another nut and then another. They saw him take 4 nuts in all.

"We put 11 nuts under the tree," said Larry, "and the squirrel took 4. Now there are ____ nuts left. He may take them when we are gone."

12	7	14	11	11	4	11	12
−8	+4	−7	−4	−7	+8	−8	−8

6	12	8	16	6	8	12	16
+6	−6	+8	−8	+6	+8	−6	−8

$$\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array} \qquad \begin{array}{r} 18 \\ -9 \\ \hline 9 \end{array}$$

"Look," said Father. "Do you see the little birds in the trees? They have gone to bed for the night."

Nine little birds were in one tree, and nine more were in another tree. How many birds were in both trees? ____

Write this story in numbers:

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

Larry found 18 pretty leaves to take to Mother.

He said: "Linda, you may take 9 leaves to Mother. I will take the others."

How many leaves did Larry take to Mother? ____

Write this story in numbers:

12	14	1	4	9	18	11	8
−9	−7	+1	+3	+9	−9	−6	+8

10	8	11	12	11	11	9	11
−8	+3	−4	−8	−5	−7	+9	−8

Draw the thing you liked best about the walk that Larry and Linda took with Father.

9	6	11	9	18	8	11	11
−8	+5	−5	+9	−9	+3	−3	−7

9	3	7	14	8	4	5	11
+9	+9	+4	−7	+4	+7	+6	−8

9	9	12	7	6	14	8	12
+3	−4	−3	+4	+5	−7	+1	−6
11	7	11	11	9	11	7	11
−8	+4	−2	−3	+9	−6	+7	−5
8	8	3	10	2	11	11	8
+3	−5	+8	−9	+9	−5	−9	+4
6	8	12	9	12	11	14	18
+6	+8	−9	+9	−8	−7	−7	−9
16	11	3	3	6	18	4	5
−8	−7	+9	+6	−1	−9	+7	−2
5	2	6	5	14	6	11	4
+6	+8	−2	+4	−7	+5	−4	+7

Begin with 100 and write to 200, like this:

101	102							109	110
111	112								120
									200

To THE TEACHER: If further practice is needed, the pupil may repeat this exercise on another sheet of paper.

Begin with 200 and write to 300, like this:

201	202								210
211									
									300

To THE TEACHER: If further practice is needed, the pupil may repeat this exercise on another sheet of paper.

Can you count by 100's to 1000? Do it like this:

100	200	300	400	500	600	700	800	900	1000

Write to 1000 by 100's.

Learn to count to 1000 by 100's without looking.

4	6	8	9	11	12	12	16
+8	+6	+8	+3	−2	−4	−8	−8
4	4	5	3	11	2	11	4
−1	+7	+6	+8	−5	+9	−4	+8
9	11	6	11	9	12	12	9
+9	−7	+5	−8	+9	−8	−9	+3
18	14	4	12	8	18	16	8
−9	−7	+7	−3	+3	−9	−8	+3

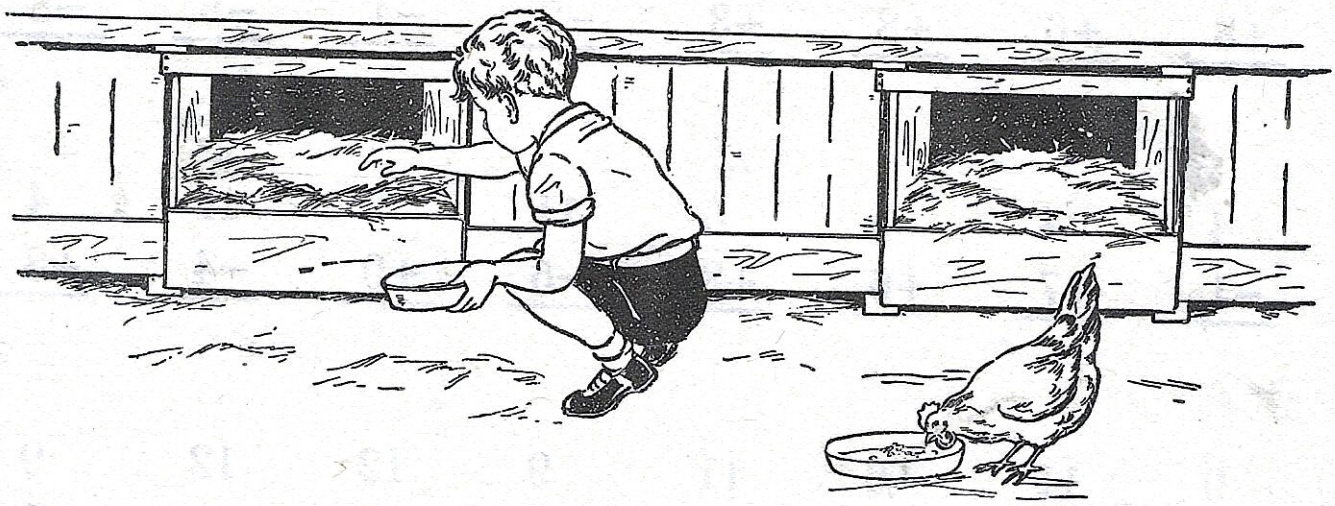
The Birthday Party

Linda and Larry had a birthday. Mother said that they could have a party.

Larry went out to look for eggs to make little cakes for the party. He found 2 eggs in the first nest, but he found 0 eggs in the next nest. So he took ____ eggs to Mother.

Here are the 2 nests. Draw the eggs in the nest where he found them.

The first nest | The next nest



2 eggs and 0 eggs are ____ eggs.

This is the way to write this story in numbers:

$$\begin{array}{r} 2 \\ +0 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \\ +0 \\ \hline 2 \end{array} \qquad \begin{array}{r} 0 \\ +2 \\ \hline 2 \end{array} \qquad \begin{array}{r} 2 \\ -0 \\ \hline 2 \end{array}$$

They looked for red and white paper to make caps for the party. They found 0 pieces of red paper, but they found 2 pieces of white. How many pieces of paper did they find? ____

0 pieces and 2 pieces are ____ pieces.

0 and 2 are 2. 0 and 2 are ____.

This is the way to write this story in numbers: $\begin{array}{r} 0 \\ +2 \\ \hline 2 \end{array}$

$$\begin{array}{r} 2 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +0 \\ \hline 1 \end{array} \qquad \begin{array}{r} 0 \\ +1 \\ \hline 1 \end{array} \qquad \begin{array}{r} 1 \\ -0 \\ \hline 1 \end{array}$$

Larry said, "We will play ball at our party." Larry had 1 ball. Linda had none. How many balls did they have for the party? ____

Larry had 1 ball. Linda had 0 balls.

1 ball and 0 balls are ____ ball.

1 and 0 are 1. 1 and 0 are ____.

Write this story in numbers:

"I will take my doll to the party," said Linda. "You have 0 dolls, and I have 1 doll. How many dolls have we both?"

"One," said Larry. "0 and 1 are ____."

Write this story in numbers:

$$\begin{array}{r} 1 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ -0 \\ \hline \end{array}$$

7	6	13	13
+6	+7	−7	−6
13	13	6	7

Larry asked 7 boys to come to the party, and Linda asked 6 girls. How many children were asked to come? ____

Write this story in numbers:

7	6	13	13	6	13	7	13
+6	+7	−7	−6	+7	−6	+6	−7

11	9	13	1	13	2	8	11
−8	+9	−6	+0	−7	+0	+3	−6

14	2	8	11	0	6	7	5
−7	−0	+4	−5	+1	+7	+ 6	+6

11	4	7	4	3	9	4	0
−4	−2	+4	+8	+9	+9	+7	+2

13 children came to the party. 7 of them lived near Linda and Larry's house. They walked to the party. The other children came in cars. How many children came in cars? ____

Write this story in numbers:

3	6	9	11	4	13	0	5
+8	+7	+2	−3	+6	−7	+1	+6

8	13	2	0	11	6	8	11
+4	−6	+9	+2	−5	+7	+8	−4

11	4	7	12	1	3	13	9
−7	+8	+6	−9	+0	+9	−6	+9

4	13	7	2	4	11	9	6
+4	−6	+6	+0	+8	−9	+3	+2

Linda gave the children 13 paper caps. 6 of the caps were red. The others were green.

Draw the green caps here:

Draw the red caps here:

0	1	2	13	13	7	6	4
+2	−0	+0	−7	−6	+7	+7	+7

6	11	6	6	11	5	7	11
+6	−5	−4	+7	−6	+5	+7	−3

7	8	15	15
+8	+7	−7	−8
15	15	8	7

Mother counted all the children. She counted Larry and Linda, too. She counted 8 boys and 7 girls. She counted ____ children at the party.

Write this story in numbers:

The 15 children were playing on the grass. "Come and see my rabbits," said Larry. 8 of the children ran to see Larry's rabbits, but ____ of them stayed to play on the grass.

15 children less 8 children leaves ____ children.

Write this story in numbers:

7	8	15	15	8	15	7	15
+8	+7	−7	−8	+7	−8	+8	−7

Mother had a box of balloons. "Here are 15 balloons," she said. She gave 7 of the balloons to the children who were playing on the grass. Then there were ____ balloons left in the box.

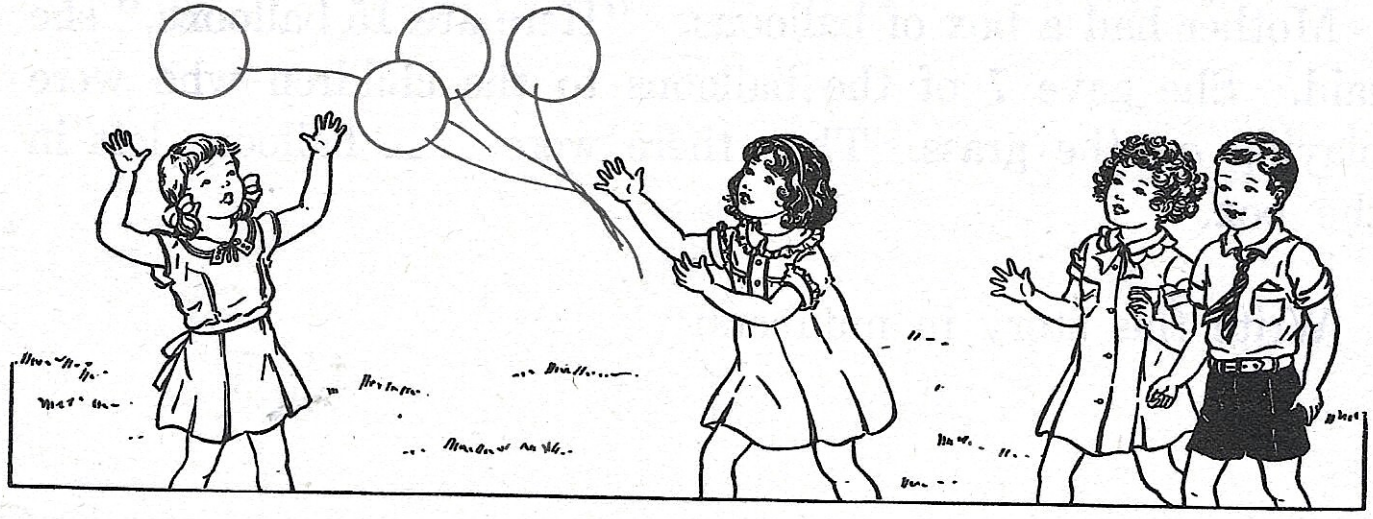
Write this story in numbers:

3	11	6	8	11	3	13	7
+8	−5	+7	+7	−6	+9	−6	+6

15	7	13	4	18	9	8	0
−7	+8	−7	+7	−9	+9	+4	+1

15	7	9	13	4	11	8	6
−8	+8	+9	−6	+8	−8	+7	+7

2	12	8	15	15	6	13	2
−0	−3	+7	−8	−7	+5	−7	+0



A balloon man came by. Mother bought more balloons.

Linda had 4 balloons, and the wind took them all away.

"Oh, look!" cried the children. "The wind has taken Linda's 4 balloons away. Now she has no balloons!"

Linda had ____ balloons. The wind took ____ balloons. How many balloons did Linda have left? ____

4 balloons less 4 balloons leaves ____ balloons.

Write this story in numbers:

4	4	15	4	15	8	4	7
−4	−4	−8	−4	−7	+7	−4	+7
0							

Larry had 1 balloon. He gave 1 balloon to Linda. How many balloons did he have then? ____

1 balloon less 1 balloon leaves ____ balloons.

1 less 1 leaves 0. 1 less 1 leaves ____.

1	4	0	1	15	9	4	1
−1	−4	+2	−1	−8	+9	−4	−1
0							

13	0	11	7	9	15	6	11
−6	+1	−5	+7	+9	−7	+7	−6

8	7	13	0	8	11	6	15
+7	+6	−6	+2	+4	−8	+7	−8

8	18	2	6	2	11	7	5
+7	−9	−0	+5	+0	−3	+7	+6

3	13	8	4	3	15	4	15
+8	−7	+7	+8	+9	−7	+7	−8

Mother put some little cakes on the table for the party. There were 7 brown cakes and 8 white cakes. How many cakes did Mother put on the table? ____

Write this story in numbers:

They had milk at the party, too. Mother said: "We will give milk to the children. Linda may give milk to the girls and Larry may give milk to the boys."

Linda gave milk to 6 girls, and Larry gave milk to 7 boys. How many children got milk? ____

Write this story in numbers:

After the party Mother said: "There are 2 little cakes left in the house. You may have them."

Larry said: "Mother, here are the two cakes. Will you take one of them?"

But mother took none.

How many cakes were left for Larry and Linda? ____

2 cakes less 0 cakes leaves ____ cakes.

Write this story in numbers:

13	9	7	4	5	7	3	6
−7	+9	+4	+8	+6	+8	+9	+7

7	4	8	4	11	6	15	7
+8	−4	+7	+7	−4	+4	−7	+6

15	13	15	8	15	6	15	7
−7	−6	−8	+7	−8	+5	−8	+6

13	0	1	2	15	2	7	8
−6	+2	−0	−0	−7	+8	−4	+2
2	2	6	10	1	8	15	9
+0	−1	+1	−6	+0	−2	−8	+1
1	5	3	3	5	6	8	3
−1	−3	+3	+5	+3	−5	−7	+7
15	4	5	3	12	8	4	7
−8	+5	−1	+4	−9	−4	+2	−3
4	6	0	4	2	5	7	7
+1	−3	+1	−3	+6	+2	−2	+8
3	6	4	7	10	3	7	7
−2	+7	−4	+6	−2	−1	+2	+6

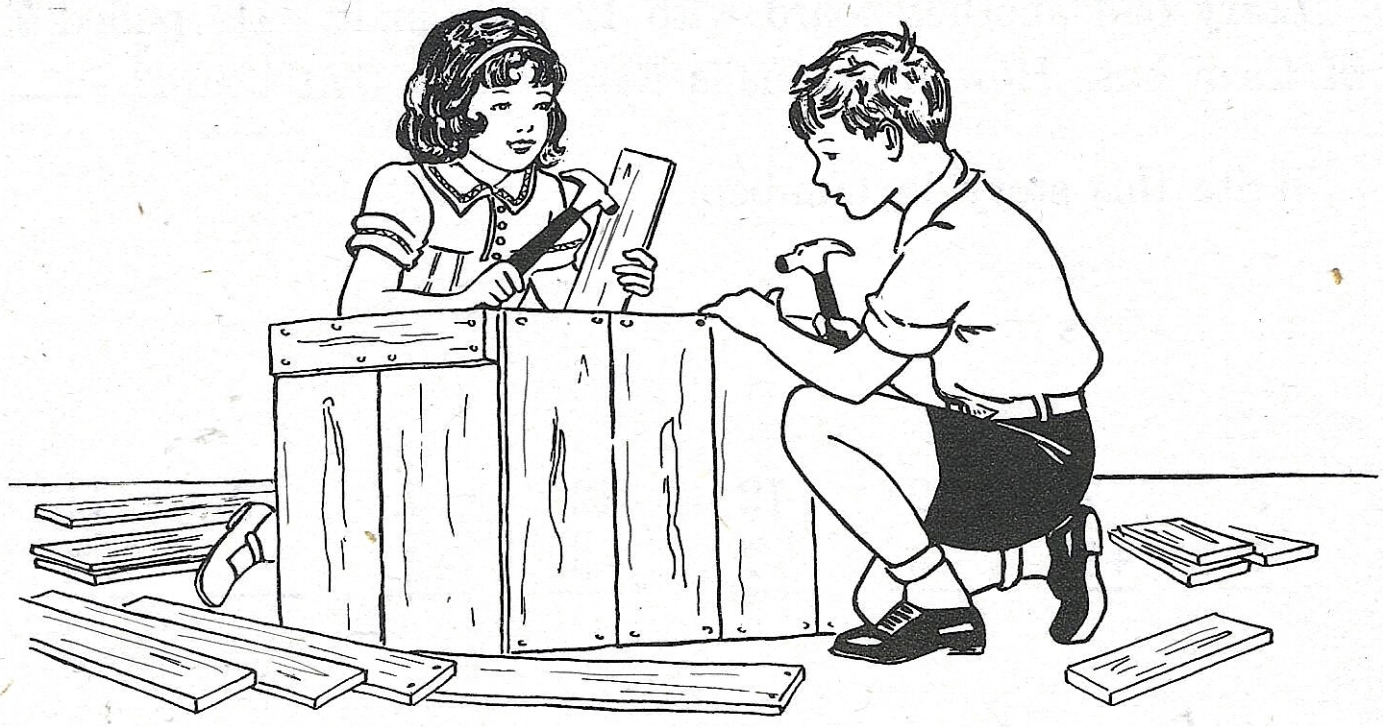
Begin with 1 and write the numbers that are left out. They are called odd numbers.

	2		4		6		8		10
	12		14		16		18		20
	22		24		26		28		30
	32		34		36		38		40
	42		44		46		48		50
	52		54		56		58		60
	62		64		66		68		70
	72		74		76		78		80
	82		84		86		88		90
	92		94		96		98		100

Write the odd numbers to 100.

6	12	2	12	9	6	11	12
+6	−6	+9	−6	+2	+6	−2	−6

11	12	2	6	9	11	11	12
−9	−6	+9	+6	+2	−2	−9	−6



The Playhouse

Linda and Larry wanted a playhouse.

"We will make one," said Larry.

Father gave them a big box for the house. He gave them 7 big boards for the roof and 5 little boards for the door. How many boards did he give them? ____

5	7	12	12
+7	+5	−7	−5
12	12	5	7

"We must have nails to make the playhouse," said Larry.

He found 12 nails in a board. He pulled 5 of the nails out of the board. He could not get the other nails out. How many nails did he leave in the board? ____

Larry had another board with 12 nails in it. He pulled 7 of them out. How many nails were left in that board? ____

Write this story in numbers:

5	7	12	12	12	7	12	11
+7	+5	−5	−7	−5	+5	−7	−4
12	1	13	15	11	11	2	15
−5	+9	−6	−7	−3	−2	+1	−8
10	2	2	12	2	10	5	15
−4	+2	+4	−8	+5	−1	+7	−7
15	5	7	10	7	7	13	7
−8	+7	+5	−9	+8	+5	−7	+8
8	9	5	8	9	9	9	8
−6	−8	+7	+7	−5	−6	−1	+7

$$\begin{array}{r} 3 \\ +0 \\ \hline 3 \end{array} \qquad \begin{array}{r} 0 \\ +3 \\ \hline 3 \end{array} \qquad \begin{array}{r} 3 \\ -0 \\ \hline 3 \end{array}$$

Linda said: "We will take our money and buy some nails. I have 3 cents. How many have you?"

"I do not have any," said Larry.

How many cents did they both have? ____

Linda had ____ cents. Larry had ____ cents. 3 cents and 0 cents are ____ cents.

3 and 0 are 3. 3 and 0 are ____.

Write this story in numbers:

$$\begin{array}{rrrrrrrr} 3 & 0 & 3 & 1 & 3 & 2 & 0 & 3 \\ +0 & +3 & -0 & +0 & +0 & +0 & +3 & -0 \\ \hline \end{array}$$

$$\begin{array}{rrrrrrrr} 12 & 5 & 12 & 7 & 3 & 7 & 2 & 12 \\ -5 & +7 & -7 & +5 & +2 & +5 & -0 & -5 \\ \hline \end{array}$$

6	8	14	14
+8	+6	−8	−6
14	14	6	8

Linda and Larry put 14 windows in their house. Larry made 8 windows. How many windows did Linda make? ____

Write this story in numbers:

6 windows and 8 windows are how many windows? ____

6 and 8 are ____. 8 and 6 are ____.

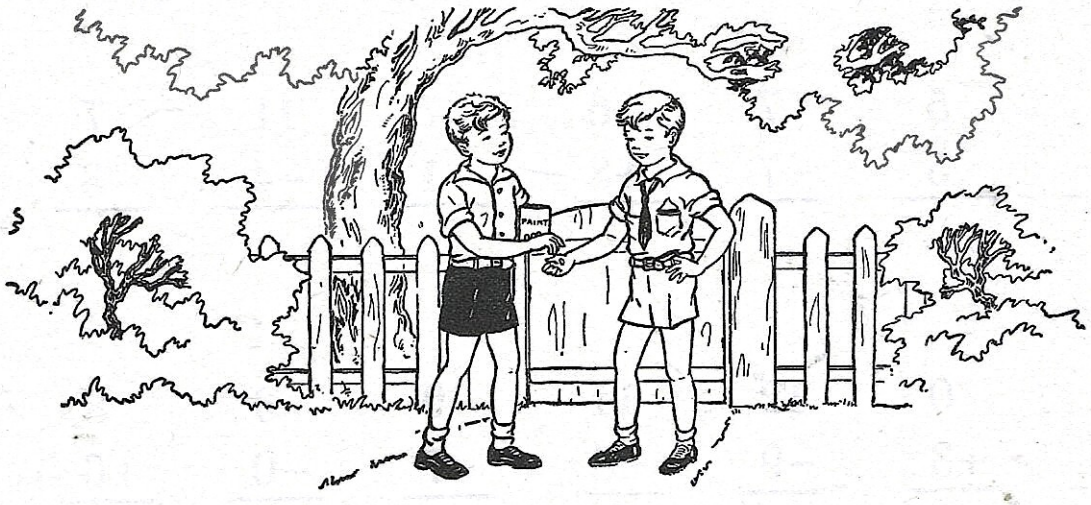
6	8	14	14	6	14	14	8
+8	+6	−6	−8	+8	−8	−6	+6
1	14	8	7	1	12	2	5
+0	−8	+7	+5	−0	−5	+9	+7
7	0	5	3	14	8	4	4
+3	+3	+7	−0	−6	+6	+7	+8

Mother gave Larry 5 cents. He gave a boy 5 cents for some paint to paint the playhouse. How much money did Larry have left? ____

Larry had ____ cents. He gave the boy ____ cents. He had ____ cents left.

5 cents less 5 cents leaves ____ cents.

5 less 5 leaves 0. 5 less 5 leaves ____.



5	7	8	5	12	5	3	5
−5	+5	+6	−5	−5	−5	+0	−5
0							

12	14	14	3	14	4	6	14
−7	−8	−8	−0	−6	+8	+8	−6

Larry had 7 boards.

He said, "If I have any boards left after I make the roof, I will make a dog house."

He used 7 boards for the roof. Did he have any boards left for the dog house? ____

7 boards less 7 boards leaves ____ boards.

7 less 7 leaves 0. 7 less 7 leaves ____.

7	5	7	6	7	11	7	8
−7	−5	−7	+8	+1	−4	−3	+4
0							

12	0	12	14	9	3	8	10
−4	+3	−9	−8	−7	−0	+6	−3

8	1	7	9	12	10	7	14
+6	−0	+5	−2	−5	−7	−6	−6

1	12	10	3	14	8	10	6
+0	−7	−5	+0	−8	−2	−8	+8

$$\begin{array}{r} 9 \\ +0 \\ \hline 9 \end{array} \qquad \begin{array}{r} 0 \\ +9 \\ \hline 9 \end{array} \qquad \begin{array}{r} 9 \\ -0 \\ \hline 9 \end{array}$$

When the house was all made, Linda and Larry played in it. One day Mother came to the playhouse.

"Here are some apples for you," said Mother. "You may have a party in the new playhouse."

"May we make some candy, too?" asked Larry. "We will buy some nuts for it."

"Yes, you may," said Mother. "I will help you."

"I have no money to buy nuts, Larry," said Linda.

"I have 9 cents," said Larry.

How many cents did they both have? ____

Larry had ____ cents. Linda had ____ cents. 9 cents and 0 cents are ____ cents. 9 and 0 are ____.

Write this story in numbers:

$$\begin{array}{r} 9 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -0 \\ \hline \end{array}$$

Then Larry and Linda went to the store. Larry said to the storekeeper: "We want some nuts. We have 9 cents for the nuts. We are going to have a party in our new playhouse."

The storekeeper liked Linda and Larry. He was glad they had a new playhouse. He said: "Here are the nuts, Larry, but I will not take the money. I will give you the nuts for the party."

Larry had ____ cents. The storekeeper took 0 cents for the nuts. How many cents did Larry have left? ____

9 cents less 0 cents leaves ____ cents.

9 less 0 leaves ____.

Write this story in numbers:

3	14	4	6	6	7	13	14
+9	−8	+8	+7	+8	+4	−7	−6

7	8	9	7	12	14	15	9
+5	+6	+3	+6	−5	−8	−8	+0

Linda asked 5 girls to come to the playhouse party. Larry asked 7 boys. How many children did they ask to come to the party? ____

Write this story in numbers:

14	6	12	6	7	8	8	8
−8	+7	−7	+8	+8	+3	+6	+7

18	11	9	13	14	14	15	15
−9	−3	+9	−6	−8	−7	−7	−8

5	4	8	6	7	12	8	14
+7	+8	+6	+7	+5	−5	+7	−6

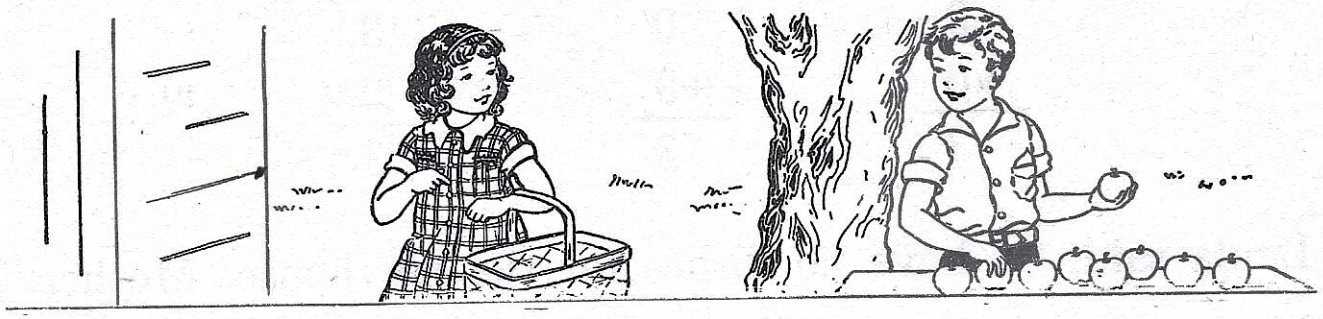
11	7	3	4	7	4	15	7
−4	+4	+8	+7	+8	+7	−8	+6

Linda and Larry were at the party, too. There were 14 children at the party. 6 of them were girls. How many were boys? ____

Draw the boys who came to the party.

7	5	12	12	12	12	14	7
+5	+7	−5	−7	−7	−5	−8	+5

14	6	7	7	9	11	11	12
−8	−5	−4	−5	+2	−2	−9	−6



Linda said: "We do not have enough apples, Larry. I will ask Mother for some more."

She said to Mother: "We have 9 apples. Please give us some more."

But Mother said: "I have none, Linda. You must cut the apples in pieces."

Linda and Larry had 9 apples. Mother gave them 0 apples. Then they had ____ apples.

Write this story in numbers:

5	15	12	14	16	6	12	12
+7	−7	−6	−8	−8	+8	−9	−5

7	14	8	15	11	0	11	13
+6	−6	+6	−8	−6	+2	−9	−7

3	0	3
+0	+3	−0
3	3	3

Linda said, "I have no dishes for the playhouse, Mother."

Mother gave her 3 little dishes for the playhouse.

How many dishes did Linda have then? ____

Write this story in numbers:

One day Mother said to Linda: "I gave you 3 dishes for the playhouse. How many are broken?"

"Not any," said Linda. "I have ____ dishes now."

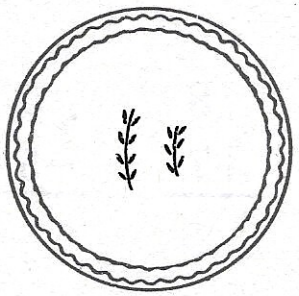
3 less 0 leaves 3. 3 less 0 leaves ____.

3	0	3	1	2	3	9	15
+0	+3	−0	−0	−0	−0	+0	−8

14	4	4	5	5	6	6	6
−8	+3	+5	+2	−1	+3	+6	−1

2	10	3'	5	7	7	8	8
+7	−5	+6	−3	+5	−7	+6	+7
3	12	10	8	5	5	7	3
+4	−7	−3	+7	−5	+6	−3	+9
7	6	14	11	4	7	10	6
+5	+5	−6	−2	+7	+6	−9	+8
9	10	11	0	12	3	13	15
+9	−7	−4	+3	−8	−0	−6	−8
14	0	11	13	0	3	11	15
−8	+1	−5	−7	+9	+0	−8	−7
18	11	9	14	1	12	9	12
−9	−7	−0	−6	+0	−3	+0	−5

Mother made Linda and Larry a pie. It was a little pie. She cut it into two pieces and gave each of them a half. This is the pie:



Draw a line that will cut the pie in half.

Linda had one half of the pie. Larry had one half. How many halves are in the pie? ____

We write one half like this: $\frac{1}{2}$

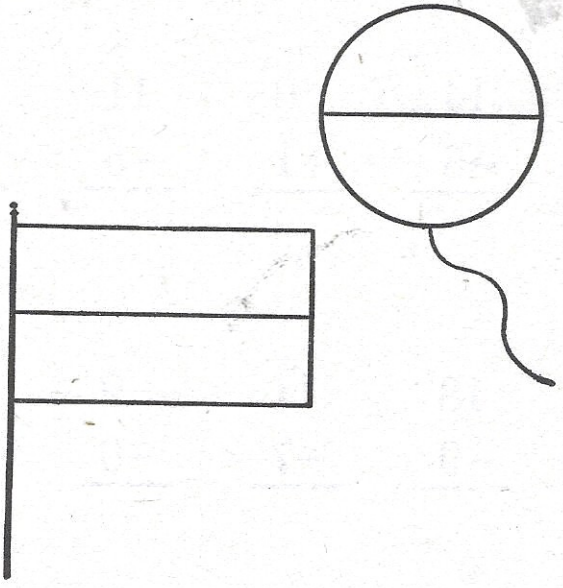
How much of the pie did Larry have? ____

Color $\frac{1}{2}$ of this balloon blue.

Color $\frac{1}{2}$ of it red.

Color $\frac{1}{2}$ of this flag orange.

Color $\frac{1}{2}$ of it blue.



Larry had 3 balls. Linda had 2 balls.

Draw Larry's balls. _____

Draw Linda's balls. _____

Larry had how many more balls than Linda? ____

3 are how many more than 2? ____

We write this number story like this:

$$\begin{array}{r} 3 \\ -2 \\ \hline 1 \end{array}$$

Write it here:

Larry and Linda ate nuts. Larry ate five nuts, and Linda ate two. Larry ate how many more nuts than Linda? ____

5 are how many more than 2? ____

Write this number story here:

4 are how many more than 2? ____

4 are how many more than 1? ____

At the Farm

Linda and Larry went to the farm to see Grandmother and Grandfather. They liked the farm. They liked the horses and cows and all the baby animals.

They went to the barn and saw Grandfather's cows. Nine of the cows were black, and the 4 others were brown. How many cows did Grandfather have? ____

4	9	13	13
+9	+4	−4	−9
13	13	9	4

Grandfather said, "Larry, will you help me take the black cows to the field?" How many cows did they leave in the barn? ____

Write this story in numbers:

4	9	13	13	9	4	13	13
+9	+4	−4	−9	+4	+9	−9	−4

Linda and Larry looked for eggs for Grandmother. They found 13 eggs. When they gave them to Grandmother, she said, "I will make some cookies for you and put 4 of these eggs into them." How many eggs did she have left after she made the cookies? ____

Write this story in numbers:

4	13	8	13	12	0	13	8
+9	−9	−5	−9	−7	+3	−4	+7

13	5	13	11	14	8	9	4
−9	+7	−4	−4	−6	+6	+4	+9

8	9	17	17
+9	+8	−8	−9
17	17	9	8

Grandmother made 9 white cookies and 8 brown cookies. How many cookies did she make? ____

Write this story in numbers:

Grandmother made 17 cookies. Linda and Larry ate 8 of them. ____ cookies were left.

Write this story in numbers:

8	9	17	17	9	17	8	17
+9	+8	−8	−9	+8	−9	+9	−8

3	13	4	10	11	6	7	4
−2	−9	+7	−8	−3	+8	+8	+9

9	14	4	13	7	13	4	11
+9	−6	+9	−9	+5	−4	+8	−8

Grandmother said, "Come with me and I will show you some baby chickens that have just hatched." The baby chickens were in the nest under the mother hen.

"Have all the eggs hatched?" asked Linda.

"No," said Grandmother, "the hen had 17 eggs in the nest, and only 9 of them have hatched."

How many eggs had not hatched? ____

12	6	17	4	12	13	17	6
−7	−4	−8	+9	−4	−9	−8	+8

8	13	4	13	17	9	8	9
+7	−9	+9	−4	−8	+8	+9	+4

Linda went to the garden. She went to get some flowers. She got 8 red flowers and 9 yellow flowers. How many flowers did she get? ____

Linda took 17 flowers to Grandmother. She said: "The 9 yellow flowers are for you, Grandmother. The other flowers are for Grandfather."

Draw the flowers that Linda gave to Grandfather.

17 flowers less 9 flowers leaves ____ flowers.

Write this story in numbers:

14	1	1	1	13	2	13	2
−8	+4	+6	+8	−9	+3	−9	+9

While Linda was in the garden, she saw many pretty butterflies.

She saw 3 yellow butterflies on a white flower. The three butterflies flew away.

How many butterflies did she see on the white flower? ____ How many flew away? ____ How many were left on the white flower? ____

3 butterflies less 3 butterflies leaves ____ butterflies.

3 less 3 leaves ____.

3	3	5	3	8	9	4	3
−3	−3	−5	−3	+9	+4	+9	−3
0							

13	17	14	9	17	13	17	9
−4	−9	−6	+8	−9	−9	−8	+4

6	9	15	15
+9	+6	−9	−6
15	15	6	9

6	9	15	15	15	9	6	15
+9	+6	−9	−6	−9	+6	+9	−6

3	13	5	12	6	2	3	6
+8	−9	+7	−7	+9	+0	+9	+8

17	6	3	14	8	17	9	8
−9	+8	−0	−6	+7	−9	+8	+6

7	11	9	12	8	15	9	10
+6	−8	+6	−5	+9	−6	+8	−6

13	4	13	9	2	17	13	8
−4	+9	−4	+4	−0	−8	−9	+9

Linda told Larry about the butterflies.

"Larry," she said, "I saw 9 yellow butterflies and 6 black ones with yellow on their wings."

"I know how many butterflies you saw," said Larry.

Do you? Write the number here: ____

Color the butterflies for this story.

Larry went with Linda to see the butterflies. He saw 8 yellow ones. 8 yellow ones flew away. How many yellow butterflies were left? ____

How many did he see? ____ How many flew away? ____

8 butterflies less 8 butterflies leaves ____ butterflies.

8 less 8 leaves ____.

8	8	3	8	5	13	5	8
−8	−8	−3	−8	−5	−9	+5	−8
0							

12	14	6	13	6	13	1	11
−5	−6	+7	−9	+8	−4	−0	−3

10	10	17	6	17	9	15	7
−1	−4	−8	+9	−9	+8	−6	+5

9	9	15	15	8	4	15	8
+6	+4	−6	−9	+9	+9	−9	+6

Linda said, "Grandmother, I like to go to the garden."

"Good," said Grandmother. "You may cut some flowers for the table."

Linda cut 6 red flowers and 9 white ones. She put them on the table. How many flowers did Linda put on the table?____

Write this story in numbers:

"Did you cut all of the red flowers?" asked Grandmother.

"No, Grandmother," said Linda. "There were 15 of them in the garden, and I cut 6. I left ____ red flowers in the garden."

Write this story in numbers:

6	9	15	15	9	15	6	15
+9	+6	−6	−9	+6	−9	+9	−6

$$\begin{array}{r} 0 \\ +0 \\ \hline 0 \end{array}$$

Grandmother said, "The rabbits have been in my garden."

"Are they in the garden now?" asked Larry.

"We will look and see," said Linda.

They looked for the rabbits. Linda found no rabbits. Larry found no rabbits. How many rabbits did they both find? ____

Linda found ____ rabbits. Larry found ____ rabbits. 0 rabbits and 0 rabbits are ____ rabbits.

0 and 0 are 0. 0 and 0 are ____.

0	0	8	0	8	9	0	13
+0	+0	+9	+0	−8	+6	+0	−7
4	0	9	9	14	8	17	6
+9	+0	+6	+9	−6	+9	−9	+9

To THE TEACHER: The dramatization of number stories is a valuable activity and should precede work with the following page. One pupil "plays" a number story; then another writes the combination suggested by the dramatization.

One day Linda and Larry were playing number stories. Linda tried to catch Larry on this one:

"All of the nuts that I have are in this box, Larry," she said. "You may take all of them. Then write the story in numbers."

Larry put his hand into the box. There was nothing in it. Larry laughed.

"That is not a number story," he said. "There are no numbers in it."

"Yes, it is," said Linda. "I had no nuts and I gave away no nuts; then I had no nuts left."

"Oh," said Larry, "you can not catch me on that again! I can write it." And he did. He wrote it like this:

$$\begin{array}{r} 0 \\ -0 \\ \hline 0 \end{array}$$

4	15	11	8	11	9	13	9
+7	−9	−4	+7	−9	+8	−4	+3

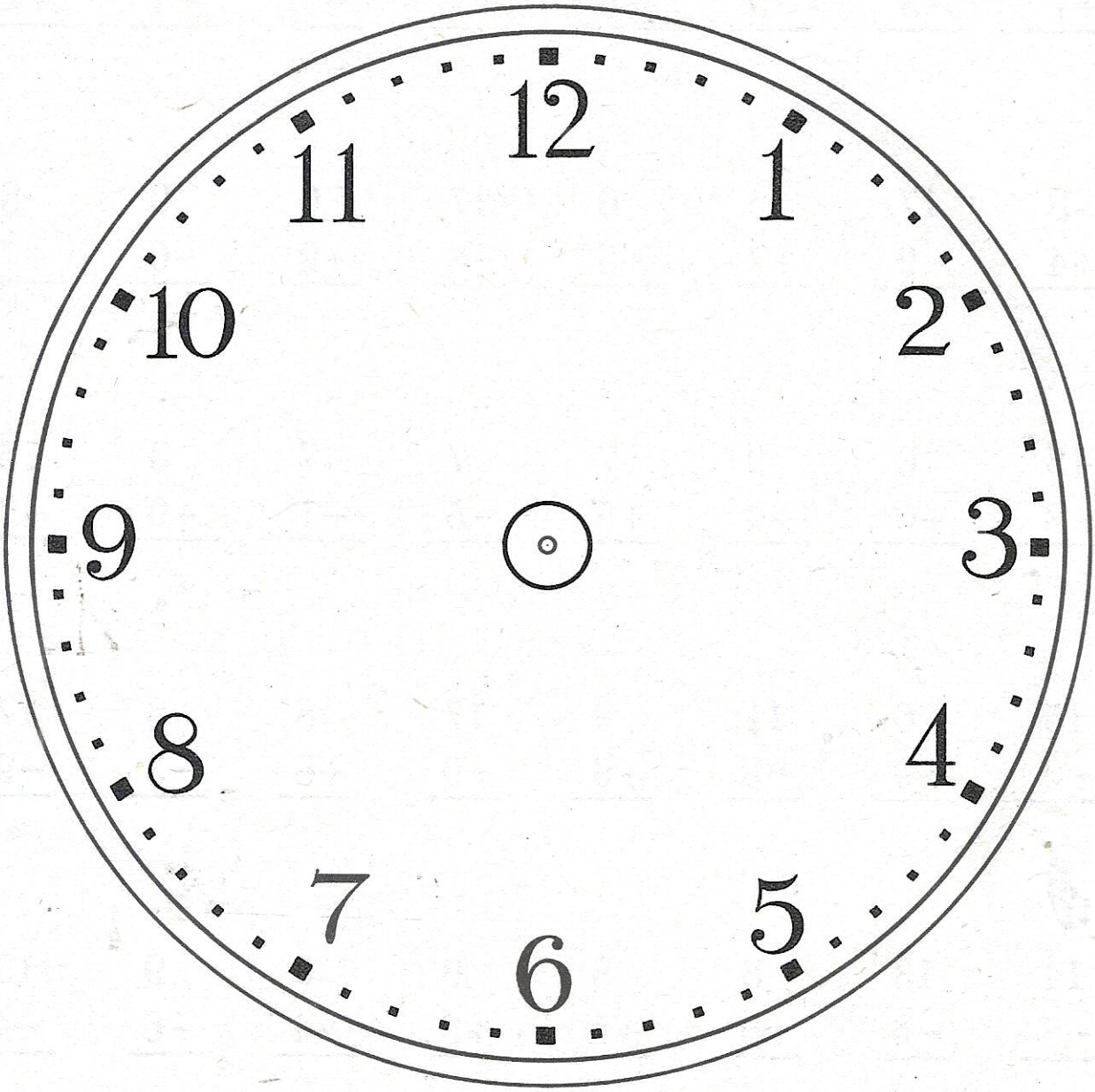
12	8	6	6	8	9	13	14
−7	+6	−5	+8	−6	+6	−9	−6

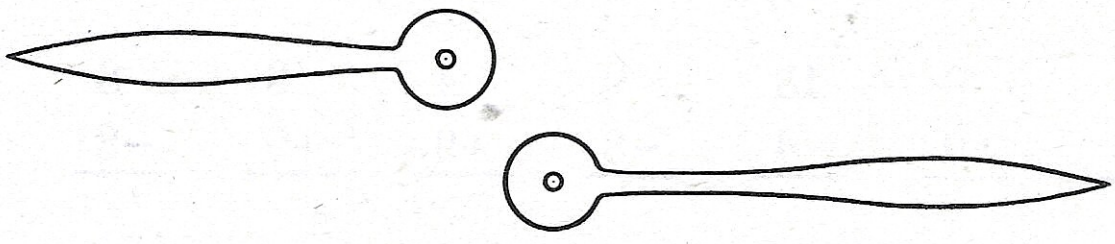
9	14	15	17	9	6	2	0
+2	−8	−6	−9	+4	+9	+9	−0

Grandmother had 15 baby ducks. Linda and Larry went to see them. 9 of the ducks were swimming in the water. The others were running on the grass.

Draw the ducks that were on the grass.

3	3	13	5	6	13	7	8
+7	−3	−9	+6	+7	−9	+4	+2
8	17	5	6	17	0	0	8
+4	−9	+7	+8	−8	+2	−0	+7
15	0	9	7	7	7	3	15
−8	+0	+4	+5	−5	−1	+9	−9
15	6	11	9	17	8	8	17
−6	+9	−8	+6	−9	+8	−3	−9
14	13	8	8	9	9	9	13
−8	−6	+9	+4	+8	−4	−6	−4
14	0	13	9	4	8	8	13
−6	+0	−4	−8	+9	+9	−8	−6



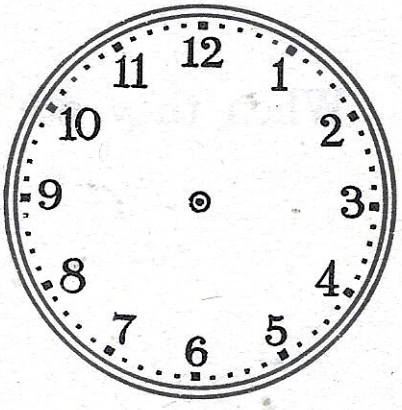


To THE TEACHER: Direct the pupil to cut out the clock face and hands and mount them on heavy cardboard. The hands may be fastened on the face with a round-head paper fastener. Use for drill in teaching time.

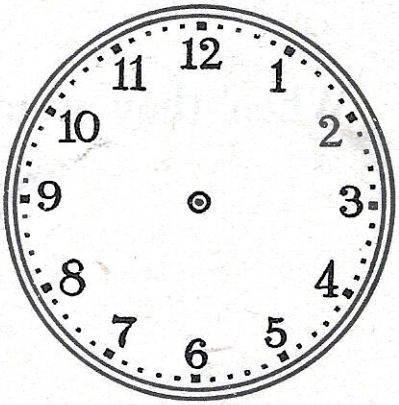
Linda and Larry got up every morning at 7:00 o'clock. They ate breakfast at 7:30 o'clock. At 8:00 o'clock they went to school. They had dinner at 12:00 o'clock. At 8:00 o'clock they went to bed.

Make the little clocks say:

When Linda and Larry got up

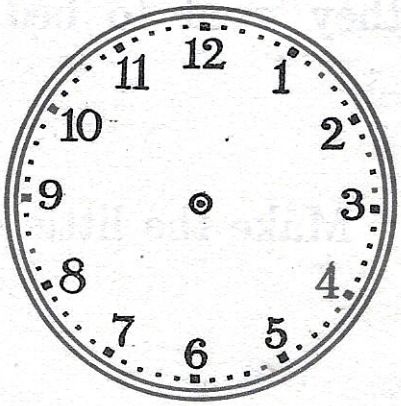


When they ate breakfast

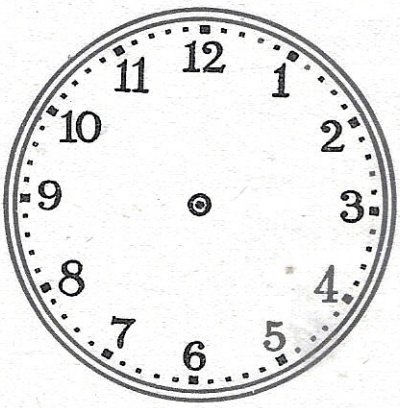


Make the little clocks say:

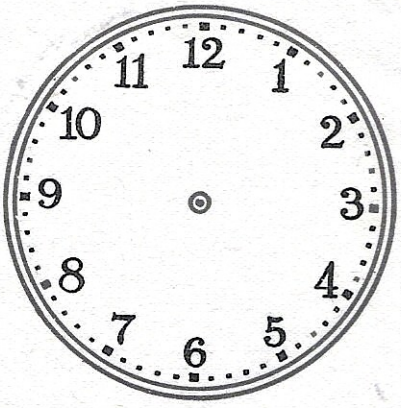
When Linda and Larry went to school



When they ate dinner

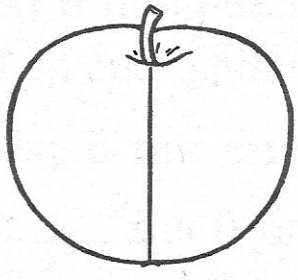


When they went to bed



When we cut any thing into two pieces that are alike, we call the pieces halves. One of the pieces is one half.

Color $\frac{1}{2}$ of this apple red.



How much of the apple did you color red? ____

You colored $\frac{1}{2}$ of it red.

When we cut any thing into four pieces that are alike, we call the pieces fourths. One of the pieces is one fourth. We write one fourth like this: $\frac{1}{4}$

Color $\frac{1}{4}$ of this ball blue.

How much of the ball did you color blue? ____

You colored $\frac{1}{4}$ of it blue.

The Circus

Father took Larry and Linda to see the circus.

Linda laughed when Father gave an elephant some peanuts. He put 5 peanuts in one hand and 0 peanuts in the other. The elephant looked in both hands, but he found only ____ peanuts.

5 peanuts and 0 peanuts are 5 peanuts.

5 and 0 are 5. 5 and 0 are ____.

5	0	5
+0	+5	−0
5	5	5

5	0	5	0	5	5	0	13
+0	+5	−0	+5	−0	+0	+5	−9

4	9	15	7	14	9	13	3
+9	−1	−8	+6	−6	+8	−6	+8

9	15	9	15	8	12	4	8
+8	−9	+4	−6	+6	−7	+7	+1

Larry and Linda walked by the bear cages. They saw 0 bears in the first cage. They saw 5 bears in another cage. Father asked, "How many bears are in the two cages?"

Larry said: "There are ____ bears. 0 bears and 5 bears are 5 bears."

Write this story in numbers:

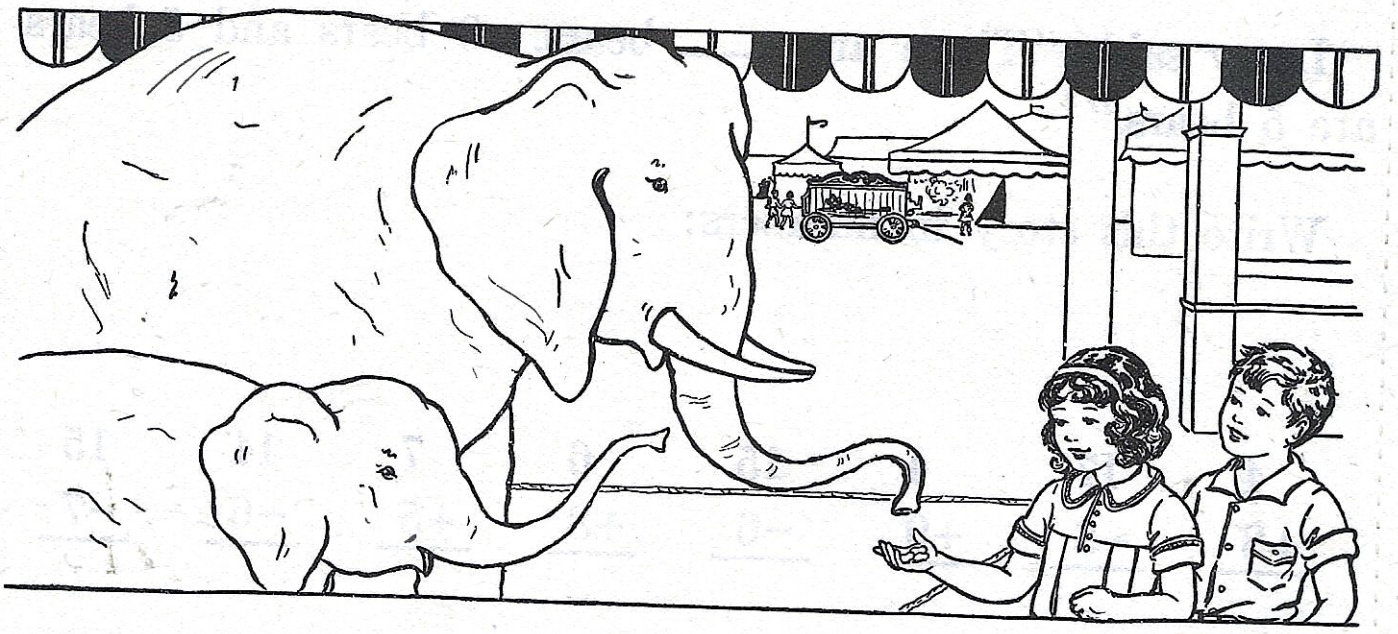
4	17	4	15	6	7	14	15
+8	−8	+9	−6	+8	+5	−6	−7

14	5	12	6	9	13	9	8
−7	+0	−7	+9	−7	−4	−5	+6

15	9	12	13	17	9	9	18
−8	+9	−5	−7	−9	+8	−2	−9

8	14	15	13	8	8	13	9
+8	−8	−9	−6	−4	+9	−4	+6

Linda wanted to feed the elephants again. She had 9 peanuts, and she gave 3 of them to the elephants. How many peanuts did she have left? ____



Larry had 5 peanuts. He gave 0 peanuts to the elephants. How many did he have left? ____

9 less 3 leaves ____.

5 less 0 leaves ____.

0	9	15	4	5	15	6	15
+5	+4	−9	+9	+0	−6	+8	−7

9	9	13	14	8	13	9	8
+8	+0	−4	−8	+9	−7	+9	+7

5	8	13	13
+8	+5	−8	−5
13	13	5	8

Larry liked the monkeys. All of the monkeys had on little red or blue coats. Five of them had on blue coats, and 8 of them had on red coats. How many monkeys were there? ____

Write this story in numbers:

5	8	13	13	8	13	5	13
+8	+5	−8	−5	+5	−5	+8	−8

5	5	6	6	7	7	8	7
+3	−4	+1	−1	+7	−2	+5	+8

6	7	6	13	13	6	5	6
+2	+3	+5	−5	−8	+8	+0	+9

9	18	13	9	12	8	13	13
+6	−9	−8	+8	−7	+9	−4	−9

The clown did funny things. He tried to catch 13 balls in his hat. 8 of the balls fell to the ground, but he caught the others.

Draw the balls that the clown caught in his hat.

8	13	13	12	9	0	5	17
+5	−9	−5	−7	+6	−0	+8	−8

4	13	5	8	7	13	8	6
+8	−9	+8	+5	+8	−5	+9	+9

There were 13 ponies. Some of them were black, and some were white. Linda liked the white ponies. There were 5 white ponies. How many black ponies were there? ____

Write this story in numbers:

13	17	6	5	13	0	9	6
−8	−8	+4	+8	−4	+9	+9	+8
9	15	9	13	5	9	6	11
+8	−7	+6	−5	+8	+2	+9	−7
8	15	7	15	7	17	7	8
+5	−6	+8	−8	+2	−9	−4	+9
9	15	13	13	9	13	14	8
+6	−9	−8	−9	+4	−5	−7	+7

9	7	16	16
+7	+9	−9	−7
16	16	7	9

7 little dogs ran out to the big clown. He called 9 more. How many dogs did he have then? ____

Write this story in numbers:

He made the 16 little dogs try to jump over a box. 9 of them fell into the box, and the others jumped over. How many jumped over the box? ____

Write this story in numbers:

9	7	16	16	16	7	9	16
+7	+9	−9	−7	−9	+9	+7	−7

5	13	8	13	18	15	17	14
+8	−5	+9	−5	−9	−6	−9	−8

Linda and Larry saw 16 white horses at the circus. Some boys were riding 7 of them. Girls were riding the other horses. The girls made their horses dance. How many horses danced? ____.

Write this story in numbers:

9	13	12	8	13	9	16	8
+7	−5	−7	+5	−8	+7	−9	+6

16	4	5	5	16	9	7	14
−7	+9	+0	+8	−9	+6	+9	−8

5	8	6	9	8	13	11	9
+8	−2	+9	+7	+7	−9	−5	+8

13	8	13	7	13	7	15	13
−7	+9	−5	+8	−4	+9	−6	−8

Many girls were riding horses in the circus. 9 girls were riding white horses, and 7 girls were riding brown horses. How many girls were riding horses in the circus? ____

Write this story in numbers:

8 clowns tried to ride little horses. They all fell off. Then 5 more clowns tried to ride the little horses, and they fell off, too. Linda and Larry laughed at the clowns. How many clowns tried to ride? ____

Write this story in numbers:

5	13	16	7	9	15	8	5
+8	−5	−9	+9	+7	−7	+9	+0

Larry had 2 cents. He gave 2 cents to a man at the circus for a balloon. How many cents did he have left? ____

Write this story in numbers:

2	2	5	3	2	1	9	4
−2	−2	−5	−3	−2	−1	+7	−4
0							
5	6	5	8	13	16	17	8
+7	+7	+8	+5	−4	−9	−9	+6
7	13	4	13	9	9	13	14
+9	−4	+7	−8	+7	+4	−5	−6
15	2	13	5	15	16	17	7
−8	+9	−9	+8	−6	−9	−8	+9
8	13	16	8	5	6	15	13
+5	−5	−7	+7	+0	+9	−9	−9

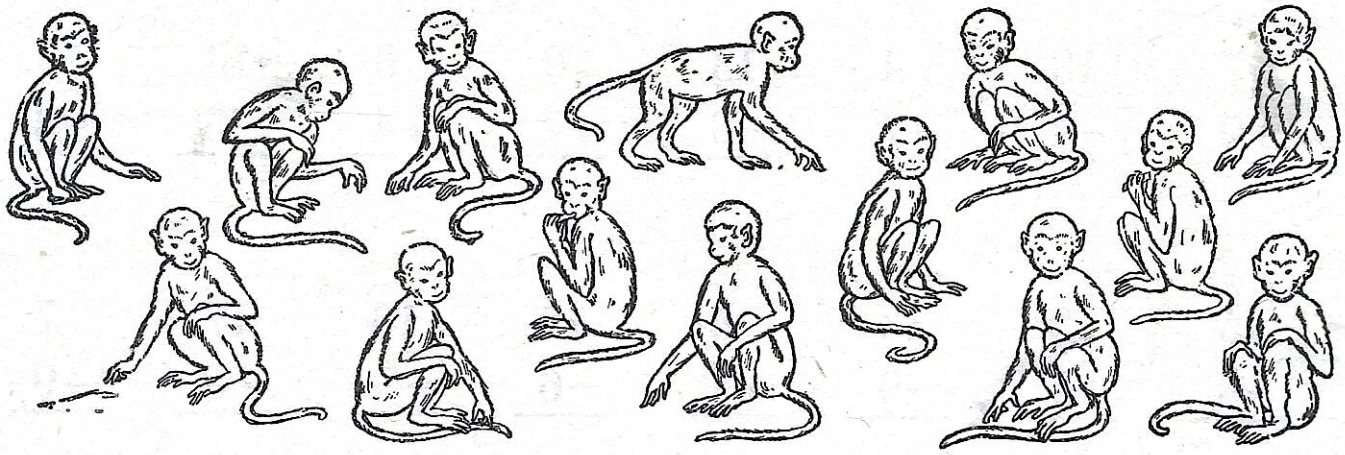
5	9	14	14
+9	+5	−9	−5
14	14	5	9

The next day Larry and Linda made pictures of the circus. They had fun doing it.

They made monkeys with long tails. Larry made 9 monkeys, and Linda made 5. How many did they both make? ____

Write this story in numbers:

Here are 14 monkeys. Color 9 of them.



9	5	14	14	5	14	9	14
+5	+9	−5	−9	+9	−9	+5	−5

Larry made 14 elephants and gave Linda 9 of them. How many elephants did he have left? ____

Write this story in numbers:

They made clowns with funny faces. When they had them all made, they counted them and found they had 14. 5 of the clowns had hats. The others did not have hats. How many clowns did not have hats? ____

Write this story in numbers:

2	13	14	5	5	14	9	9
−2	−8	−9	+8	+9	−5	+4	+6

9	15	8	14	15	9	16	5
+5	−6	+9	−9	−9	+5	−7	+9

2	5	11	5	13	8	15	9
−2	+8	−3	+9	−8	+3	−6	+7
14	7	14	16	9	14	11	16
−5	+8	−5	−7	+5	−6	−9	−9
9	12	3	14	9	15	8	16
+7	−5	+9	−8	+7	−7	+5	−9
5	14	0	7	13	4	5	18
+8	−9	+5	+9	−5	+7	+9	−9
17	9	15	4	14	9	5	17
−8	+7	−8	+8	−5	+9	+0	−9
7	13	13	9	7	16	14	8
+9	−5	−8	+4	+4	−7	−9	+5

Adding Numbers

Linda and Larry went to school. They learned to add numbers. When we add numbers, we put them together.

The teacher said, "Linda, add 4 and 2." Linda did it like this:

$$\begin{array}{r} 4 \\ +2 \\ \hline 6 \end{array}$$

The teacher asked Larry to add 3 and 3. He did it like this:

$$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$$

Can you add 9 and 1? Write it here:

Add:

5	7	9	9	9	0	8	5
7	8	7	0	7	5	9	9

8	0	5	7	8	6	9	5
5	9	6	9	6	9	5	9

9	5	7	0	6	9	9	5
6	9	9	0	8	7	7	8

4	0	4
+0	+4	−0
4	4	4

4	0	4	0	4	0	4	16
+0	+4	−0	+4	−0	+4	+0	−7

9	5	5	7	5	8	13	8
+7	+9	+8	+5	+9	+6	−9	+9

16	7	6	5	13	9	5	8
−9	+6	+9	+8	−8	+8	+9	+6

12	9	7	8	8	7	11	7
−5	+7	+9	+5	+9	+8	−8	+9

13	14	14	9	11	8	13	13
−5	−9	−5	+9	−7	+5	−4	−6

Subtracting Numbers

Linda and Larry learned to subtract numbers, too. When we subtract numbers, we take the little number away from the big one.

The teacher said, "Larry, subtract 3 from 7." Larry wrote it like this:

$$\begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$$

She asked Linda to subtract 3 from 9. Linda wrote it like this:

$$\begin{array}{r} 9 \\ -3 \\ \hline 6 \end{array}$$

Can you subtract 2 from 8? Write it here:

Subtract:

13	16	14	17	13	14	18	14
8	7	5	9	9	9	9	6
14	17	13	15	5	15	13	17
5	8	5	6	0	9	9	8
15	4	14	14	15	17	14	15
9	0	9	8	7	9	9	6

0	8	8
+8	+0	−0
8	8	8

8	8	0	8	8	0	8	16
+0	−0	+8	−0	+0	+8	−0	−7

14	5	4	12	2	5	14	12
−5	+8	+9	−3	+9	+9	−5	−9

7	16	2	0	11	3	9	0
+9	−8	−2	+4	−5	+8	+7	−0

9	16	13	4	3	4	7	8
+3	−9	−5	+0	+9	−0	+6	+8

4	8	13	7	14	8	0	13
+0	+5	−8	+8	−5	+9	+4	−8

Writing Number Stories

One day the teacher said: "I have told you many number stories and have let you write them in numbers. Now I will write the story in numbers and let you tell it."

She wrote $\begin{array}{r} 3 \\ +2 \\ \hline 5 \end{array}$ on the board.

"Linda," she said, "tell a number story about 3 and 2 are 5."

This is the story that Linda told: "I had 3 rabbits, and Larry gave me 2 more rabbits. Then I had 5 rabbits."

"That is fine!" said the teacher. "I like that story."

Add:

5	9	0	4	9	0	5	8
9	7	4	0	5	8	8	0

5	8	7	8	5	6	7	9
7	9	6	6	8	9	9	9

Can you tell a number story about $\begin{array}{r} 3 \\ +1 \\ \hline 4 \end{array}$? Write it here:

Subtract:

12 − 5	15 − 9	14 − 9	15 − 8	13 − 4	15 − 7	4 − 0	13 − 5
14 − 6	8 − 0	13 − 8	17 − 8	8 − 0	13 − 9	17 − 9	14 − 5
14 − 9	14 − 6	13 − 5	14 − 8	13 − 8	14 − 8	13 − 5	15 − 9

$$\begin{array}{r} 9 \\ -9 \\ \hline 0 \end{array} \qquad \begin{array}{r} 6 \\ -6 \\ \hline 0 \end{array}$$

9	6	4	6	5	5	9	14	8
−9	−6	+9	−6	+8	+9	−9	−9	+5

4	13	14	6	8	6	7	7	13
+7	−5	−5	+8	+5	−6	+9	+6	−9

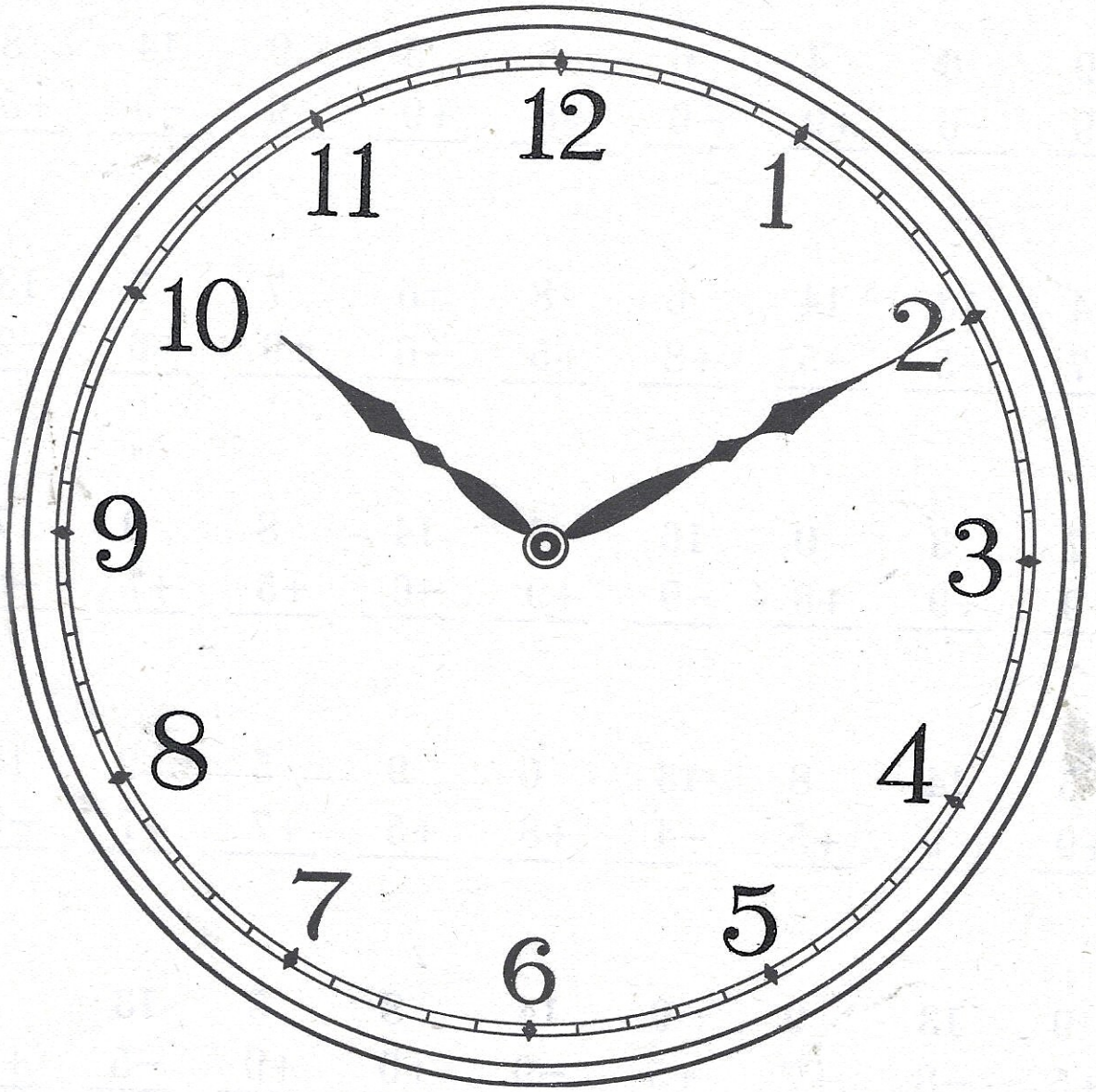
7	3	0	16	2	14	8	9	7
+9	+9	+8	−9	+9	−6	+5	+7	+8

5	14	8	13	6	9	5	9	15
+9	−9	+5	−4	+8	+5	+7	+7	−9

9	13	9	9	14	8	5	13	5
+5	−8	+7	+5	−9	+0	+9	−5	+8

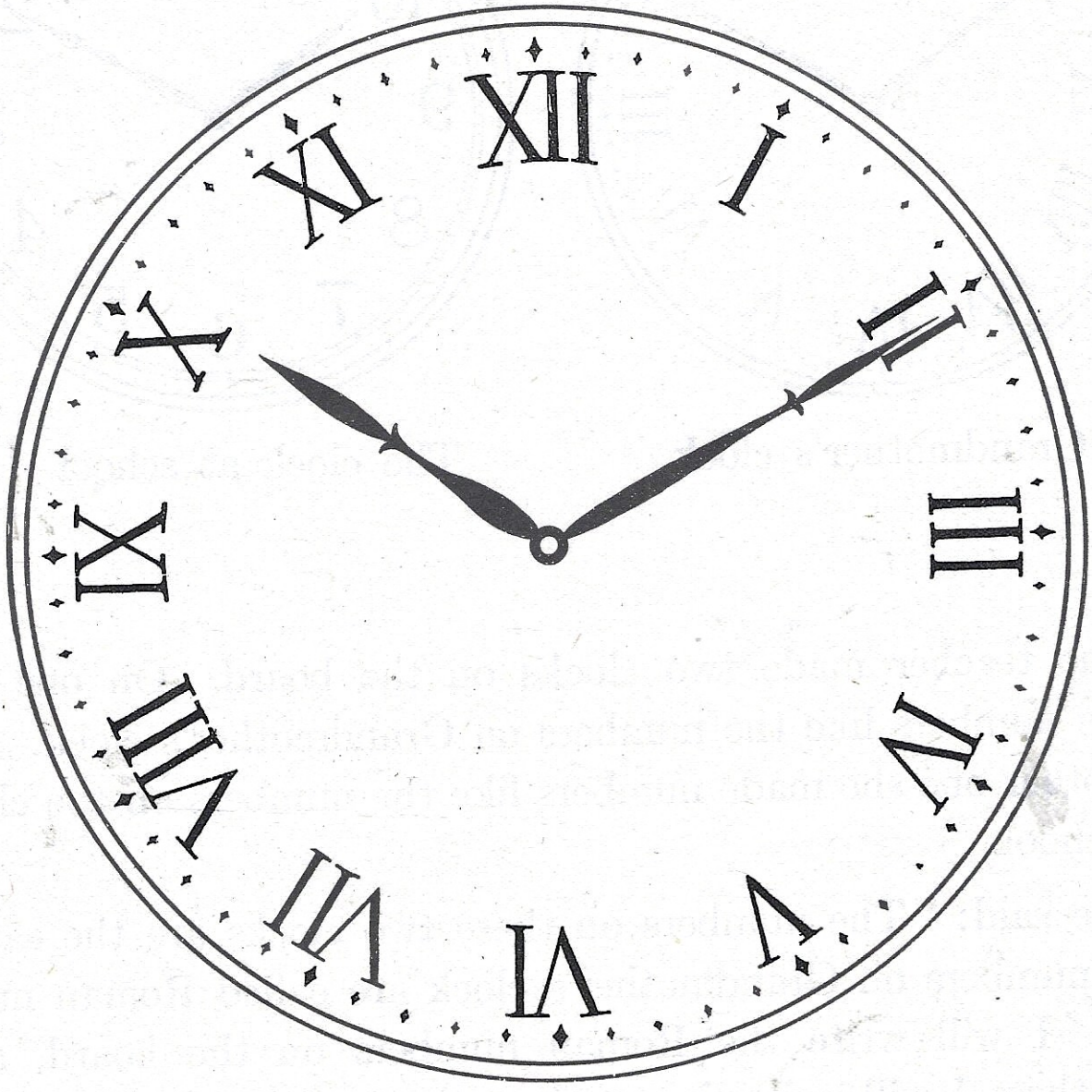
14	8	14	4	8	6	14	8	9
−5	+4	−9	+8	+6	+7	−6	+5	+7

The teacher had a big clock. Linda and Larry learned to tell the time. The clock had numbers on it like these:



One day Larry said to the teacher: "I can tell the time here at school and at home, but when I go to my grandmother's house I can not tell the time. Her clock does not have numbers on it like the numbers on this one."

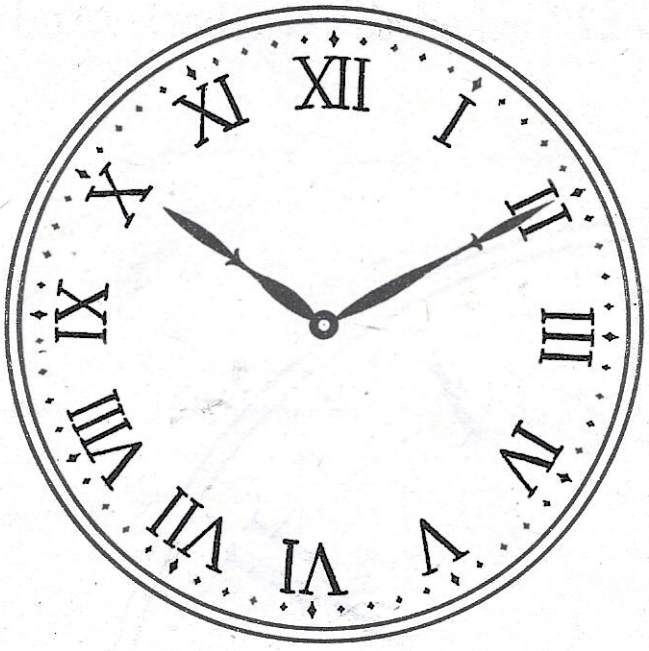
"Is this like Grandmother's clock?" asked the teacher. And she made a clock like this:



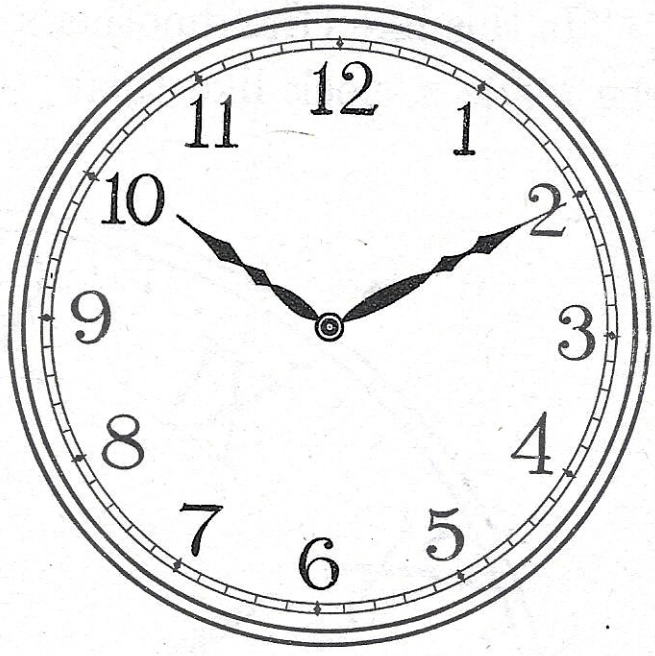
"Yes," said Larry. "That is like Grandmother's clock. Will you show us how to tell the time on it?"

"Yes, I will," said the teacher.

The next day she showed them how to do it.



Grandmother's clock



The clock at school

The teacher made two clocks on the board. On one she made numbers like the numbers on Grandmother's clock. On the other one she made numbers like the numbers on the clock at school.

She said: "The numbers on these two clocks are the same. The numbers on Grandmother's clock are called Roman numbers. I will write the Roman numbers on the board, and over them I will write the numbers that are the same."

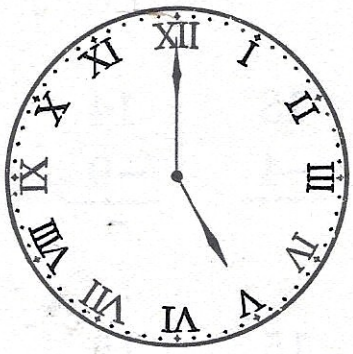
Look at the next page and see what the teacher wrote.

This is what the teacher wrote on the board:

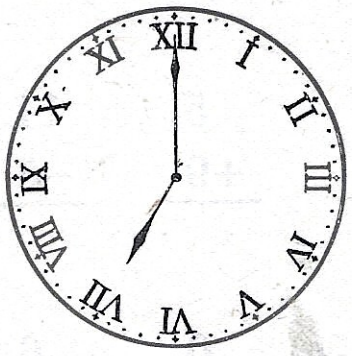
1	2	3	4	5	6
I	II	III	IV	V	VI

7	8	9	10	11	12
VII	VIII	IX	X	XI	XII

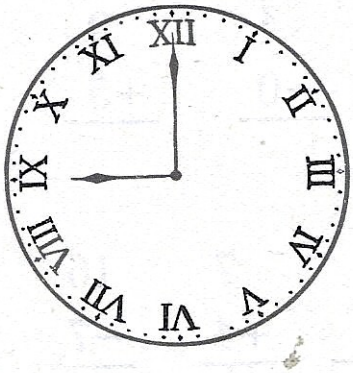
Can you tell the time by these clocks? Write the time under the clock.



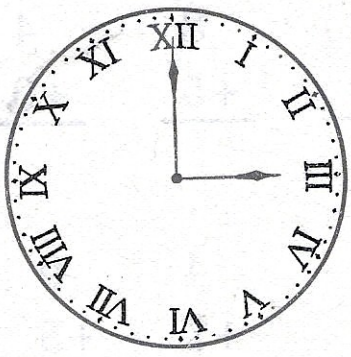
Time _____



Time _____



Time _____



Time _____

7	0	7
+0	+7	−0
7	7	7

0	7	0	9	7	14	5	7
+7	−0	+7	+7	−0	−5	+8	+0
9	0	15	5	9	8	9	16
+5	+4	−9	+9	−9	+0	+6	−7
0	5	14	6	13	13	14	6
+8	+9	−5	+9	−5	−4	−9	+8
9	0	6	7	7	15	15	8
+9	+7	−6	+0	+9	−6	−7	+5
8	8	4	14	8	4	9	7
+0	+5	+0	−9	+7	−0	+5	−0
13	4	9	13	5	14	7	16	13
−5	+7	+5	−4	+9	−5	+4	−7	−8

6	0	6
+0	+6	−0
6	6	6

6	0	6	5	13	5	6	0
−0	+6	−0	+1	−8	+8	+0	+6

6	6	7	13	8	14	9	13
+9	−6	+6	−5	+5	−9	+6	−4

9	6	14	9	14	7	9	3
+6	−6	−9	+4	−5	+9	−9	+8

13	7	13	14	9	6	8	9
−8	+9	−9	−9	+5	+0	+0	+4

9	7	8	9	0	7	8	7
+5	+0	+6	+8	+7	+0	+5	−0

15	14	5	9	4	8	6	7	6
−6	−5	+9	+4	+9	+9	+0	+9	+4

On another piece of paper write a number story about $\begin{array}{r} 9 \\ +2 \\ \hline 11 \end{array}$.

Write a number story about $\begin{array}{r} 11 \\ -2 \\ \hline 9 \end{array}$.

3	12	4	14	9	6	13	17
+9	−4	+9	−5	+7	+9	−5	−9
16	5	14	16	7	14	17	0
−9	+9	−9	−7	+9	−8	−8	+1
16	13	7	14	14	4	16	0
−7	−8	+9	−5	−6	+9	−9	+7
9	17	5	14	8	0	6	7
+5	−8	+8	−9	+3	+6	−0	+0
0	14	8	15	5	14	8	17
+8	−6	+5	−7	+9	−8	+9	−9

14	4	15	0	2	13	8	14
−5	+9	−6	+7	+9	−5	+5	−8
9	0	0	5	9	15	8	4
+6	+6	+8	+8	+7	−7	+7	−0
13	5	14	7	9	6	7	14
−8	+9	−5	+9	−9	+8	+0	−9
13	16	6	8	15	9	9	0
−8	−9	+7	+5	−9	+5	+8	+6
7	6	6	0	9	5	14	4
−0	+0	−6	+6	−9	+9	−9	+0
6	9	8	13	6	7	8	6
+0	+5	+0	−5	−0	+9	−0	+0
8	5	14	14	9	13	6	18
+0	+9	−5	−9	+4	−8	+0	−9

4	13	8	14	9	13	15	13
+9	−4	+5	−9	−9	−8	−6	−5
14	16	5	8	15	15	6	16
−8	−7	+8	+7	−7	−9	+9	−9
17	8	14	13	8	5	13	17
−8	+9	−5	−8	+9	+9	−4	−9
14	5	13	12	14	7	8	15
−8	+9	−5	−7	−6	+9	+6	−7
15	6	16	8	13	5	9	13
−6	+8	−7	+5	−8	+9	+4	−9
7	13	17	6	14	8	17	17
+9	−9	−9	+9	−9	+6	−8	−9

Mother's Birthday

Linda and Larry wanted to buy something for Mother's birthday.

"I have 22 cents," said Larry. "How much have you, Linda?"

"I have 36 cents," said Linda. "How much have we together?"

"I do not know how to add 22 and 36," answered Larry. "We will ask our teacher how to do it."

When they asked her, she told them to do it like this:

$$\begin{array}{r|r} 2 & 2 \\ 3 & 6 \\ \hline \end{array}$$

First, add. $\begin{array}{r} 2 \\ 6 \\ \hline 8 \end{array}$

$$\begin{array}{r} 2\ 2 \\ 3\ 6 \\ \hline 8 \end{array}$$

Write the 8 in the answer.

$$\begin{array}{r|r} 2 & 2 \\ 3 & 6 \\ \hline 8 & \end{array}$$

Then add. $\begin{array}{r} 2 \\ 3 \\ \hline 5 \end{array}$

$$\begin{array}{r} 2\ 2 \\ 3\ 6 \\ \hline 5\ 8 \end{array}$$

Write the 5 in the answer.

"We have 58 cents," said Larry. "I like to add big numbers like that. I want to add some more."

Add:

21	14	36	21	54	12
27	15	31	48	11	23
53	41	32	82	23	32
41	43	21	16	55	67
23	72	51	63	84	41
74	12	41	13	12	15
15	34	66	55	76	43
34	14	21	32	23	34
21	32	24	38	31	22
77	54	65	41	65	53
13	22	53	14	53	22
75	46	44	83	16	35

Linda said to Larry: "I saw a pretty bowl that we could get for Mother. We can buy it for 35 cents."

"Oh, that would be fine," said Larry. "We have 58 cents; we could use the money we have left to buy flowers to put in the bowl."

"How much money would we have left for flowers?" asked Linda.

"I can show you how to tell," said Larry, "for I have learned how to subtract big numbers. When we learned how to add big numbers, I wanted to know how to subtract them, too. So our teacher showed me how. This is the way to do it."

```
5 8
3 5
-----
```

First, subtract.

```
  8
- 5
---
  3
```

```
5 8
3 5
-----
  3
```

Write the 3 in the answer.

```
5 8
3 5
-----
  3
```

Then subtract.

```
  5
- 3
---
  2
```

```
5 8
3 5
-----
2 3
```

Write the 2 in the answer.

"We have 58 cents," said Larry. "If we buy a bowl with 35 cents, we shall have 23 cents left for flowers. I know Mother will like them for her birthday."

"Yes," said Linda, "and she will like to know that we can subtract big numbers, too. I want to subtract some numbers that way."

So Linda did all of these. Can you do them?

Subtract:

98	59	73	68	46	97
23	14	12	34	22	85
58	77	47	59	69	78
31	62	13	46	51	46
82	86	49	58	69	93
21	71	35	25	43	71
39	28	64	56	72	36
24	17	51	12	21	15

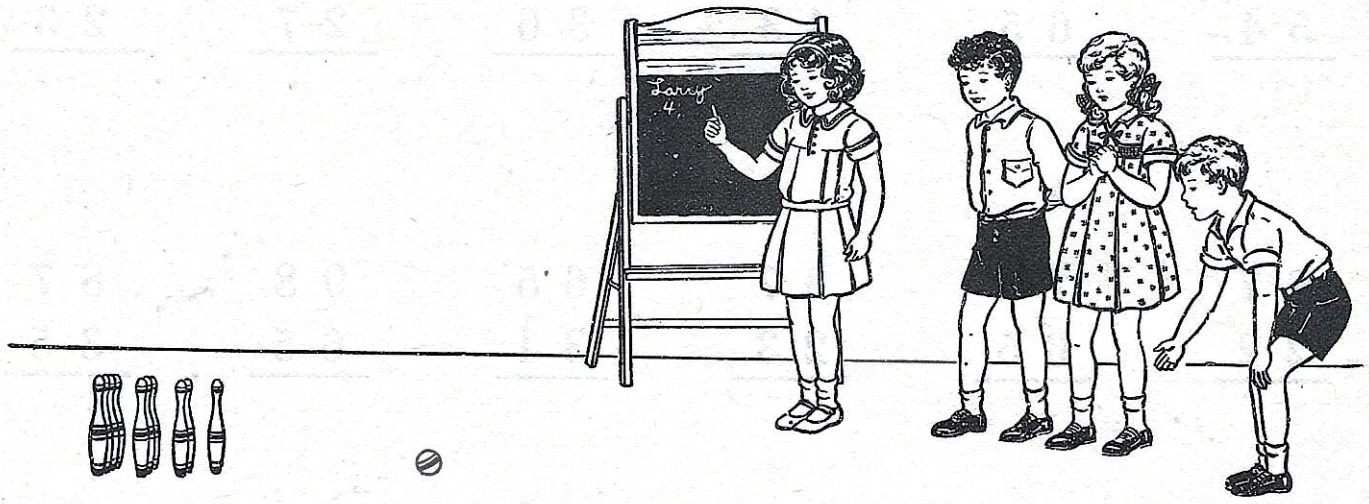
Subtract:

79	98	79	88	68	97
54	65	43	36	27	23
87	79	97	65	98	87
22	65	23	31	65	35
65	79	89	87	97	98
42	37	61	16	42	82

Add:

23	13	30	65	10	40
20	10	24	20	10	51
56	28	53	86	51	80
13	60	22	10	14	17

Keeping Score



These children are playing tenpins. They want to see who can make the most pins fall down. Each one of the children rolls the ball at the pins three times.

Linda is keeping score. She writes the number of pins that fall down each time. Then she adds the numbers to find a score.

Larry made 4 pins fall the first time he rolled the ball. He made only one pin fall the second time and three pins the third time. Linda wrote his score.

Larry's score

4
1
3

To find Larry's score, begin at the top and add down, like this: Look at the 4 and 1 and think "5." Then look at the 3 more and think "8." Write 8 for the answer.

Then begin at the bottom and add up, to see if 8 is right.

Here are some of the other children's scores. Add the children's scores. Begin at the top and add down. Then begin at the bottom and add up, to see if your answer is right.

1	5	3	5	2	2
2	1	4	1	2	1
6	2	1	1	1	3

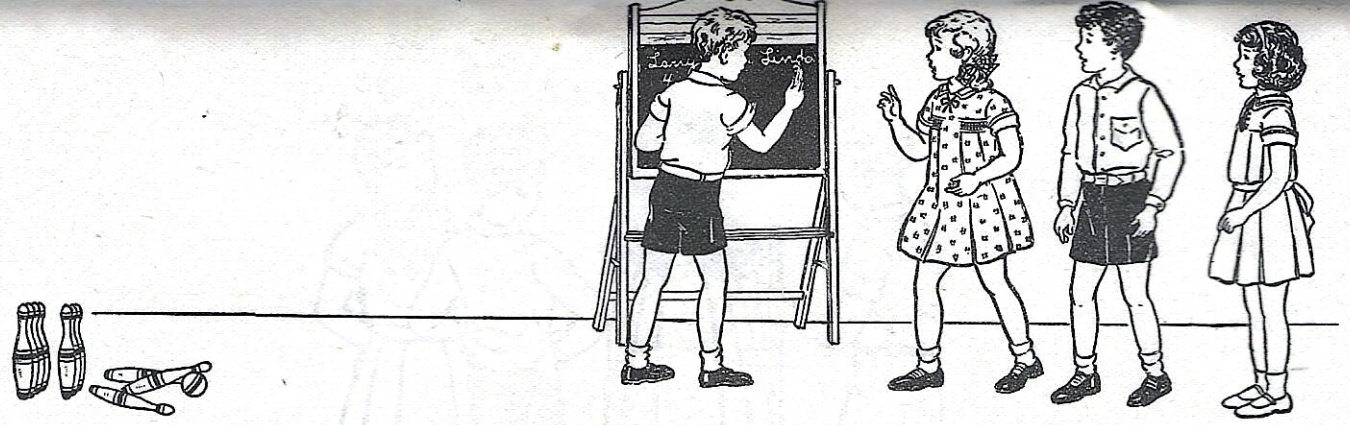
5	2	1	2	3	5
1	2	1	4	2	3
3	4	6	1	3	1

3	2	4	2	2	3
3	2	1	1	2	1
3	5	1	2	2	3

2	3	6	1	4	3
4	1	2	2	1	4
2	5	1	5	2	2

Add:

1	7	3	1	2	5
2	1	2	2	1	2
1	1	1	2	4	1
2	3	1	5	1	1
1	3	7	2	3	1
1	2	1	2	4	5
3	1	4	1	3	2
2	1	1	3	3	3
2	3	4	5	3	4
2	1	4	1	2	4
1	3	3	6	5	2
6	3	1	1	2	2



Larry kept score when Linda played tenpins. Linda made three pins fall the first time she tried, but the second time she did not make any pins fall. See how Larry wrote in her score that she made none fall. The third time she made four pins fall. Larry added her score.

Linda's score

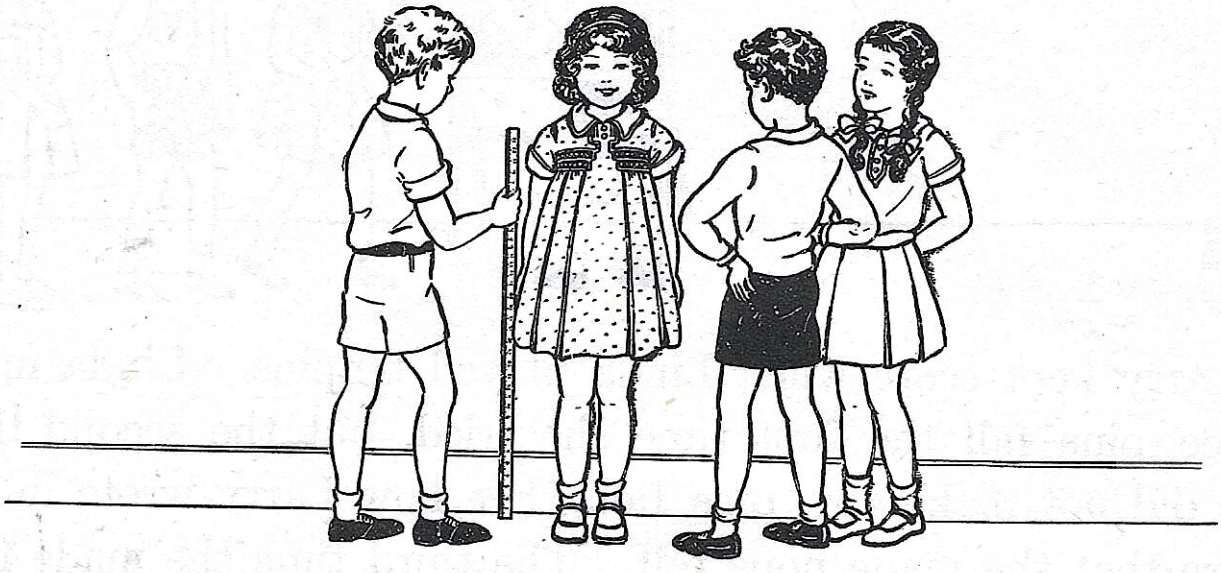
3	3	3
0	0	4
4	3	7
7		

First, he added down. Then he added up. He thought, "3 and 0 are 3; 3 and 4 are 7." Then he said, "Your score is 7, Linda."

Add:

2	3	2	1	0	3
0	0	4	0	4	2
2	5	0	6	4	0

Measures



The children at school measure to see how tall they are. They use a yardstick. A yardstick is three feet long. There are thirty-six inches in three feet.

Larry is 4 feet and 1 inch tall.

Linda is 4 feet and 0 inches tall.

ft. is the same as *feet.* *in.* is the same as *inches.*

How tall are you? Get one of the children to help you find out how tall you are. Use a yardstick. Put the numbers here:

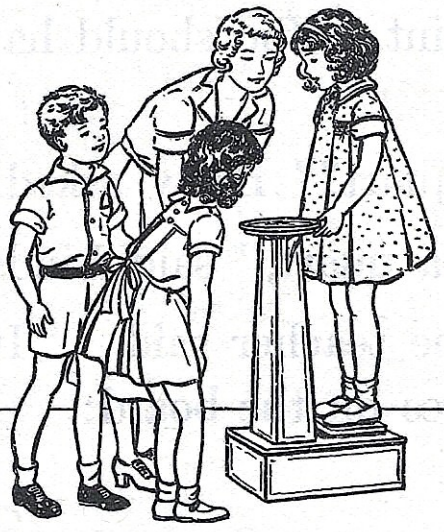
____ ft. ____ in.

Measure four other children. Who is tallest? _____

_____ Who is shortest? _____

How many of the children are taller than you? ____

The children were weighed at school. The teacher looked to see if they weighed what they should weigh. Betty weighed 43 pounds. Larry weighed 56 pounds. Linda weighed 52 pounds.



"Larry," the teacher said, "you should weigh 55 pounds. Your weight is all right.

"Linda, you weigh just what you should.

"Betty, you do not weigh enough. You are under weight."

"How much?" asked Betty.

"I will show you how to find out," said the teacher, and she wrote it like this:

Betty should weigh 54 pounds.
She weighs 43 pounds.
11 pounds under weight

"You should drink milk, Betty," said Larry.

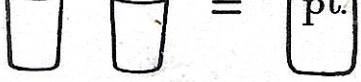
"I do," Betty answered. "I drink two glasses every day. I drink one glass here at school and one with my supper."

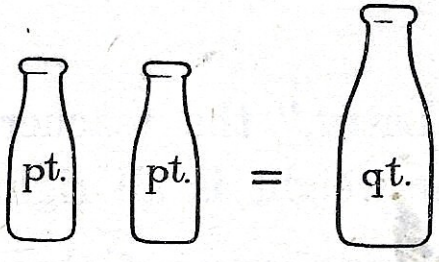
"That is not enough," said the teacher. "Two glasses of milk make about a pint. You should have a quart of milk a day."

"How much is a quart?" Betty asked.

"Two pints make a quart," said Linda.

"That is right," the teacher said. "It is like this." And she drew these pictures on the board:





pt. is the same as *pint.*

qt. is the same as *quart.*

"The milkman leaves one quart of milk at our house every day," said Betty. "That is the same as ____ pints."

"Yes, and it is about the same as ____ glasses," said Larry.

"The milkman leaves 3 quarts at our house every day," said Linda. "Do you know how many pints he brings, Larry?"

Larry did know. How many pints of milk does the milkman leave? ____

Combination Dictionary

1	1	1	1	1	1	1	1	1
+1	+2	+3	+4	+5	+6	+7	+8	+9
2	3	4	5	6	7	8	9	10
2	2	2	2	2	2	2	2	2
+1	+2	+3	+4	+5	+6	+7	+8	+9
3	4	5	6	7	8	9	10	11
3	3	3	3	3	3	3	3	3
+1	+2	+3	+4	+5	+6	+7	+8	+9
4	5	6	7	8	9	10	11	12
4	4	4	4	4	4	4	4	4
+1	+2	+3	+4	+5	+6	+7	+8	+9
5	6	7	8	9	10	11	12	13
5	5	5	5	5	5	5	5	5
+1	+2	+3	+4	+5	+6	+7	+8	+9
6	7	8	9	10	11	12	13	14
6	6	6	6	6	6	6	6	6
+1	+2	+3	+4	+5	+6	+7	+8	+9
7	8	9	10	11	12	13	14	15

7	7	7	7	7	7	7	7	7
+1	+2	+3	+4	+5	+6	+7	+8	+9
8	9	10	11	12	13	14	15	16

8	8	8	8	8	8	8	8	8
+1	+2	+3	+4	+5	+6	+7	+8	+9
9	10	11	12	13	14	15	16	17

9	9	9	9	9	9	9	9	9
+1	+2	+3	+4	+5	+6	+7	+8	+9
10	11	12	13	14	15	16	17	18

1	2	2	3	3	3	4	4	4
−1	−1	−2	−1	−2	−3	−1	−2	−3
0	1	0	2	1	0	3	2	1

4	5	5	5	5	5	6	6	6
−4	−1	−2	−3	−4	−5	−1	−2	−3
0	4	3	2	1	0	5	4	3

6	6	6	7	7	7	7	7	7
−4	−5	−6	−1	−2	−3	−4	−5	−6
2	1	0	6	5	4	3	2	1

7	8	8	8	8	8	8	8	8
−7	−1	−2	−3	−4	−5	−6	−7	−8
0	7	6	5	4	3	2	1	0

9	9	9	9	9	9	9	9	9
−1	−2	−3	−4	−5	−6	−7	−8	−9
8	7	6	5	4	3	2	1	0

10	10	10	10	10	10	10	10	10
−1	−2	−3	−4	−5	−6	−7	−8	−9
9	8	7	6	5	4	3	2	1

11	11	11	11	11	11	11	11	12
−2	−3	−4	−5	−6	−7	−8	−9	−3
9	8	7	6	5	4	3	2	9

12	12	12	12	12	12	13	13	13
−4	−5	−6	−7	−8	−9	−4	−5	−6
8	7	6	5	4	3	9	8	7

13	13	13	14	14	14	14	14	15
−7	−8	−9	−5	−6	−7	−8	−9	−6
6	5	4	9	8	7	6	5	9

15	15	15	16	16	16	17	17	18
−7	−8	−9	−7	−8	−9	−8	−9	−9
8	7	6	9	8	7	9	8	9

0	0	0	0	0	0	0	0	0
+1	+2	+3	+4	+5	+6	+7	+8	+9
1	2	3	4	5	6	7	8	9

1	2	3	4	5	6	7	8	9
+0	+0	+0	+0	+0	+0	+0	+0	+0
1	2	3	4	5	6	7	8	9

1	2	3	4	5	6	7	8	9
−0	−0	−0	−0	−0	−0	−0	−0	−0
1	2	3	4	5	6	7	8	9

0	0
+0	−0
0	0

$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$

$9 + 9$	$18 - 9$	$3 + 8$	$8 + 3$
$11 - 8$	$11 - 3$	$7 + 7$	$14 - 7$
$5 + 6$	$6 + 5$	$11 - 5$	$11 - 6$
$4 + 7$	$7 + 4$	$11 - 7$	$11 - 4$

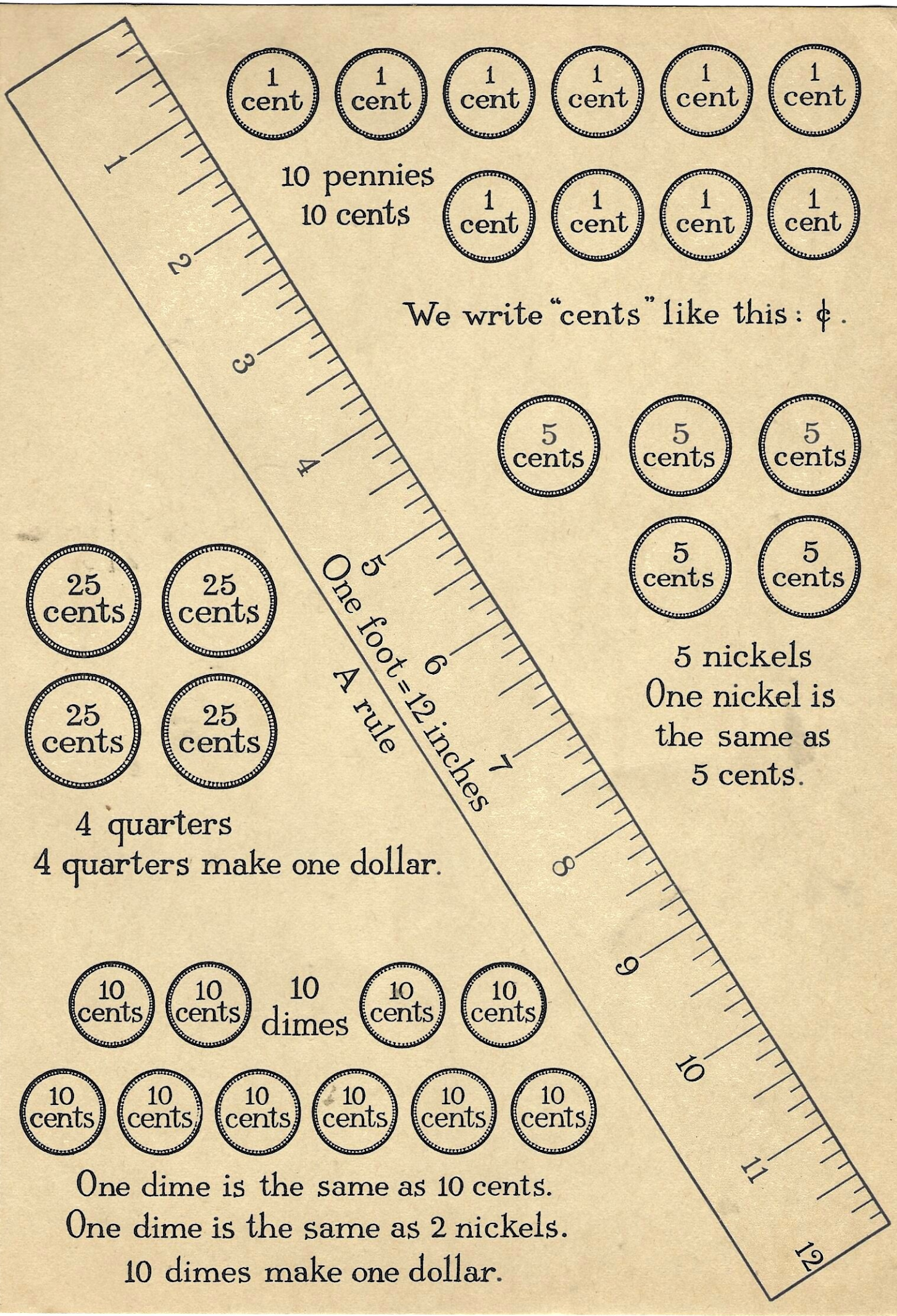
$6 + 7$	$7 + 6$	$13 - 6$	$13 - 7$
$1 + 0$	$0 + 1$	$1 - 0$	$7 + 8$
$8 + 7$	$15 - 7$	$15 - 8$	$1 - 1$
$4 - 4$	$2 + 0$	$0 + 2$	$2 - 0$

$5 + 7$	$7 + 5$	$12 - 5$	$12 - 7$
$3 + 0$	$0 + 3$	$3 - 0$	$6 + 8$
$8 + 6$	$14 - 8$	$14 - 6$	$9 + 0$
$0 + 9$	$9 - 0$	$5 - 5$	$7 - 7$

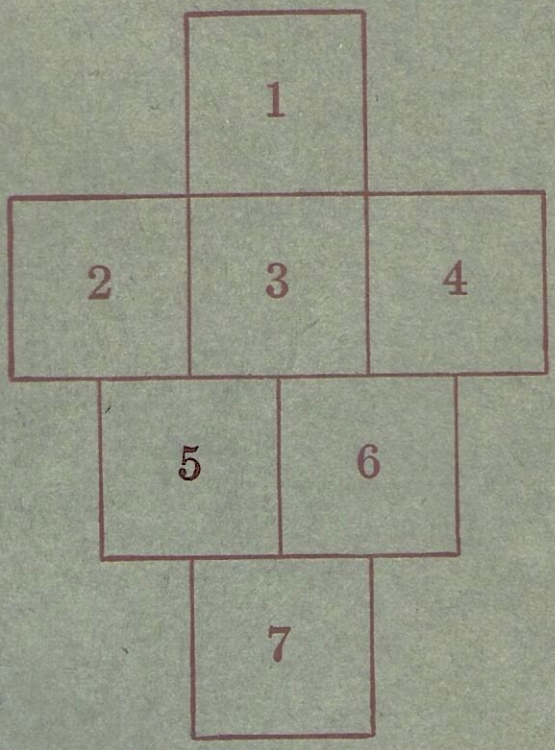
$4 + 9$	$9 + 4$	$13 - 4$	$8 + 9$
$9 + 8$	$17 - 9$	$17 - 8$	$13 - 9$
$6 + 9$	$9 + 6$	$3 - 3$	$15 - 6$
$15 - 9$	$8 - 8$	$0 + 0$	$0 - 0$

$\begin{array}{r} 0 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$
$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$
$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$
$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$

	$4 + 0$	$0 + 4$	
$4 - 0$	$0 + 8$	$8 + 0$	$8 - 0$
$9 - 9$	$7 + 0$	$0 + 7$	$7 - 0$
$6 + 0$	$0 + 6$	$6 - 0$	$6 - 6$


1 cent
1 cent
1 cent
1 cent
1 cent
1 cent
10 pennies
10 cents
1 cent
1 cent
1 cent
1 cent
We write "cents" like this: ¢.
5 cents
5 cents
5 cents
5 cents
5 cents
25 cents
25 cents
25 cents
25 cents
5 nickels
One nickel is
the same as
5 cents.
4 quarters
4 quarters make one dollar.
One foot = 12 inches
A rule
10 cents
10 cents
10
dimes
10 cents
10 cents
10 cents
10 cents
10 cents
10 cents
10 cents
10 cents
10 cents
One dime is the same as 10 cents.
One dime is the same as 2 nickels.
10 dimes make one dollar.

My Pack Progress Chart



To THE TEACHER: When the pupil has mastered Pack 1, direct him to color the square above that is numbered 1. This process is to be repeated when Pack 2 is mastered and so on until all the squares are colored.